



**Mrs . Pramila Pal**  
**Principal**



**Mr . Mohmmed Asif Hussain**  
**Vice-Principal**

**KV NO. 2, COLABA ,  
NEW NAVYNAGAR,  
MUMBAI**

# ONLINE CLASSES & COVID 19 PANDEMIC



**NAME- MISS PRIYANKA NEGI**  
**PGT-Computer Science**

# Time Table

## SUBJECT- Information practices

KENDRIYA VIDYALAYA NO.2, COLABA, MUMBAI-05

CLASSWISE ONLINE TEACHING TIME TABLE (wef 14 AUGUST 2020)

CLASS	ONLINE SESSION DAYS-MON, WED, FRI			ONLINE SESSION DAYS-TUES, THURS, SAT		
	9-9.40	10-10.40	11-11.40	12-12.40	2-2.40	3-3.40
6A	MS KUNJ BALI	MS. SHUCHI	MR. MR JOSHI	MR. ARJUN	MS. GOWRI	MS. MAMTA
6B	MR. M SALVI	MR. PK KISLAYA*	MS. MAMTA	MS. AKANSHA J*	MS. JAYA S	MS.MAMTA
6C	MS KUNJ BALI*	MS. SHUCHI*	MS.MAMTA	MS. AKANSHA J*	MS. E SUJATHA	MS.MAMTA
<b>CLASS</b>	<b>9-9.40</b>	<b>10-10.40</b>	<b>11-11.40</b>	<b>12-12.40</b>	<b>2-2.40</b>	<b>3-3.40</b>
7A	MR. PK KISLAYA*	MR. ARJUN*	MR. GS SHARMA	MS. MAMTA	MS. M RAWAT	MS. E SUJATHA
7B	MR. PK KISLAYA	MR. ARJUN*	MR. RAJDEV	MS.MAMTA	MS. AKANKSHA K	MS. E SUJATHA
7C	MR. PK KISLAYA	MR. ARJUN	MR GS SHARMA	MS.MAMTA	MR. SANJEEV	MS. E SUJATHA
<b>CLASS</b>	<b>9-9.40</b>	<b>10-10.40</b>	<b>11-11.40</b>	<b>12-12.40</b>	<b>2-2.40</b>	<b>3-3.40</b>
8A	MR. GS SHARMA	MR. MR JOSHI	MS KUNJ BALI	MS. M RANI	MS. MEENU	MS. AKANSHA J
8B	MR. GS SHARMA	MR. MR JOSHI	MR. PK KISLAYA	MS. E SUJATHA*	MS. RANU S	MS. KALPANA
8C	MR. GS SHARMA	MR. RAJDEV	MR. P PASWAN*	MS. E SUJATHA	MR. M SALVI*	MR. RAVINDRA
<b>CLASS</b>	<b>9-9.40</b>	<b>10-10.40</b>	<b>11-11.40</b>	<b>12-12.40</b>	<b>2-2.40</b>	<b>3-3.40</b>
9A		MS. GOWRI	MS. SHUCHI	MR. MR JOSHI	MR. ARJUN	MR. PK KISLAYA
9B		MS. MEENU	MR. M SALVI	GSS/RAJDEV	MS. AKANSHA J	MR. PK KISLAYA
9C		MS. GOWRI	MS. SHUCHI	MR. RAJDEV	MR. RAVINDRA*	MR. P PASWAN
<b>CLASS</b>	<b>9-9.40</b>	<b>10-10.40</b>	<b>11-11.40</b>	<b>12-12.40</b>	<b>1-1.40</b>	<b>2-2.40</b>
10A	MR. RAJDEV	MS. AKANSHA J	MS. GOWRI	MR. M SALVI	MS KUNJ BALI	
10B	MR. ARJUN		MS. MEENU	MR. M SALVI	MS KUNJ BALI	MR. GSS/MR JOSHI
10C	MR. SS BHATT	MS. AKANSHA J	MS. MEENU	MS. SHUCHI	MS KUNJ BALI*	
<b>CLASS</b>	<b>9-9.40</b>	<b>10-10.40</b>	<b>11-11.40</b>	<b>12-12.40</b>	<b>1-1.40</b>	<b>2-2.40</b>
11A		MS. AKANKSHA K	MS. KALPANA	MS. JAYA S	MS. M RANI	MR. CHANDRAKANT
11B	MS. RANU S	MS. AKANKSHA K	MR. RAVINDRA	MS. JAYA S	MR. SANJEEV	MR. SS BHATT
11C	MS. MONALY	MS. MONALY	MR. RAVINDRA	MS. JAYA S	MR. P PASWAN	R. BHATT/MS. PRIYANKA
<b>CLASS</b>	<b>9-9.40</b>	<b>10-10.40</b>	<b>11-11.40</b>	<b>12-12.40</b>	<b>1-1.40</b>	<b>2-2.40</b>
12A	MR. RAVINDRA	MR. SANJEEV	MS. JAYA S	MS. M RAWAT	MR. CHANDRAKANT	
12B	MS. KALPANA	MS. RANU S	MS. JAYA S	MS. M RAWAT	MR. SS BHATT	MS. M RANI
12C	MS. KALPANA	MR. P PASWAN	MS. JAYA S	MS. MONALY	R. BHATT/MS. PRIYANKA	MS. MONALY

\* means in place of contractual teachers

## Attendance & Feedback of class XII-C

Attendance and feedback sheet Class 12C ( INFORMATION PRACTICES)								
Name of student	Class	Subject	Date of class	Attendance	Rate today's class	Major challenges you faced on today's topic	If absent , give reason	
							NA	
Anchal Chaurasia	XII C	Information practices	7/3/2020	Present	Good		NA	
keerti	XII C	Information practices	7/3/2020	Present	Excellent		NA	
Priyanka sharma	XII C	Information practices	7/3/2020	Present	Good	No	NA	
Ankita Sharma	XII C	Information practices	6/24/2020	Present	Good	none	NA	
keerti	XII C	Information practices	6/24/2020	Present	Good		NA	
Ankita Sharma	XII C	Information practices	6/26/2020	Present	Good	None	NA	
Anchal Chaurasia	XII C	Information practices	7/3/2020	Present	Good		NA	
keerti	XII C	Information practices	6/26/2020	Present	Excellent		NA	
keerti yadav	XII C	Information practices	6/29/2020	Present	Excellent		NA	
keerti yadav	XII C	Information practices	7/1/2020	Present	Excellent		NA	
Ankita Sharma	XII C	Information practices	6/29/2020	Present	Good	None	NA	
Ankita Sharma	XII C	Information practices	7/1/2020	Present	Good	None	NA	
Anchal Chaurasia	XII C	Information practices	6/24/2020	Present	Good		NA	
Ankita Sharma	XII C	Information practices	7/3/2020	Present	Good	None	NA	
Anchal Chaurasia	XII C	Information practices	6/26/2020	Present	Good		NA	
Anchal Chaurasia	XII C	Information practices	6/29/2020	Present	Good		NA	
Anchal Chaurasia	XII C	Information practices	7/1/2020	Present	Good		NA	
Anchal Chaurasia	XII C	Information practices	7/3/2020	Present	Good		NA	
Sony rawat	XII C	Information practices	6/24/2020	Present	Good		NA	
Sony rawat	XII C	Information practices	6/26/2020	Present	Fair		NA	
Sony rawat	XII C	Information practices	6/28/2020	Present	Good		NA	
Sony rawat	XII C	Information practices	6/29/2020	Present	Good		NA	
Sony rawat	XII C	Information practices	7/1/2020	Present	Good		NA	
Sony rawat	XII C	Information practices	7/3/2020	Present	Excellent		NA	
						Becez of heavy rainfall networking		

## Attendance & Feedback of class XII-C

Sony rawat	XI C	Information practices	7/15/2020	Present	Excellent		I was present in the class
Anchal Chaurasia	XI C	Information practices	7/15/2020	Present	Good		N/A
Ankita Sharma	XI C	Information practices	7/15/2020	Present	Good	none	not absent
Tania	XI C	Information practices	7/15/2020	Present	Good		Present
keerti yadav	XI C	Information practices	7/15/2020	Present	Excellent		NA
Anchal Chaurasia	XI C	Information practices	7/17/2020	Present	Good		N/A
Sony rawat	XI C	Information practices	7/17/2020	Present	Excellent		Present.
Ankita Sharma	XI C	Information practices	7/17/2020	Present	Good	none	not absent
Priyanka	XI C	Information practices	7/17/2020	Absent	Good	NA	I had chronic headache
Keerti	XI C	Information practices	7/17/2020	Present	Good		NA
Tania	XI C	Information practices	7/17/2020	Absent	Good		Net pack was exhausted
Sony rawat	XI C	Information practices	7/20/2020	Present	Excellent		Presented
Anchal Chaurasia	XI C	Information practices	7/20/2020	Present	Good		N/A
Ankita Sharma	XI C	Information practices	7/20/2020	Present	Good	None	Present
Priyanka	XI C	Information practices	7/20/2020	Present	Good	None	NA
Tania	XI C	Information practices	7/20/2020	Present	Fair		Present
Keerti	XI C	Information practices	7/20/2020	Present	Excellent		NA
keerti yadav	XI C	Information practices	7/22/2020	Present	Excellent		NA
Sony rawat	XI C	Information practices	7/22/2020	Present	Good		Present
Priyanka	XI C	Information practices	7/22/2020	Present	Good	None	NA
Tania	XI C	Information practices	7/22/2020	Present	Excellent		I was present
Anchal Chaurasia	XI C	Information practices	7/22/2020	Present	Good		N/A
Anchal Chaurasia	XI C	Information practices	7/22/2020	Present	Good		N/A
Ankita Sharma	XI C	Information practices	7/22/2020	Present	Good	None	Present
Anchal Chaurasia	XI C	Information practices	7/24/2020	Present	Good		N/A
keerti yadav	XI C	Information practices	7/24/2020	Present	Excellent		NA
Priyanka	XI C	Information practices	7/24/2020	Present	Good	None	NA
Ankita Sharma	XI C	Information practices	7/24/2020	Present	Good	None	Present
Priyanka	XI C	Information practices	7/27/2020	Present	Good	None	NA
Sony rawat	XI C	Information practices	7/24/2020	Present	Good		Presented
Sony rawat	XI C	Information practices	7/27/2020	Present	Excellent		Presented
keerti yadav	XI C	Information practices	7/27/2020	Present	Excellent		NA
Tania	XI C	Information practices	7/24/2020	Present	Excellent	No	-

Tania	XII C	Information practices	6/24/2020	Present	Good		Be2 of heavy rainfall networking issues	NA
Tania	XII C	Information practices	6/26/2020	Present	Good		No	NA
Tania	XII C	Information practices	7/29/2020	Present	Good			NA
Tania	XII C	Information practices	7/1/2020	Present	Good			NA
Tania	XII C	Information practices	7/3/2020	Present	Good			NA
Sony Rawat	XII C	Information practices	7/6/2020	Present	Excellent			NA
Ankita Sharma	XII C	Information practices	7/6/2020	Present	Good		None	NA
keerti yadav	XII C	Information practices	7/6/2020	Present	Good			NA
Tania	XII C	Information practices	7/6/2020	Present	Good			NA
Anchal Chaurasia	XII C	Information practices	7/6/2020	Present	Good			NA
Priyanka sharma	XII C	Information practices	7/6/2020	Present	Good		None	NA
Sony rawat	XII C	Information practices	7/8/2020	Present	Excellent			NA
Ankita Sharma	XII C	Information practices	7/8/2020	Present	Good		None	NA
Priyanka sharma	XII C	Information practices	7/8/2020	Present	Good		None	NA
Anchal Chaurasia	XII C	Information practices	7/8/2020	Present	Good			NA
Tania	XII C	Information practices	7/8/2020	Present	Good			NA
Keerti Yadav	XII C	Information practices	7/8/2020	Present	Excellent			NA
Ankita Sharma	XII C	Information practices	7/10/2020	Present	Good		none	NA
Sony	XII C	Information practices	7/10/2020	Present	Good			NA
keerti yadav	XII C	Information practices	7/10/2020	Present	Excellent			NA
Anchal Chaurasia	XII C	Information practices	7/10/2020	Present	Good			NA
Tania	XII C	Information practices	7/10/2020	Present	Good			NA
Priyanka Sharma	XII C	Information practices	7/10/2020	Present	Good			NA
keerti yadav	XII C	Information practices	7/13/2020	Present	Excellent			NA
Sony rawat	XII C	Information practices	7/13/2020	Present	Excellent			NA
Priyanka	XII C	Information practices	7/13/2020	Present	Good		None	NA
Ankita Sharma	XII C	Information practices	7/13/2020	Present	Good		None	NA
Anchal Chaurasia	XII C	Information practices	7/13/2020	Present	Good			N/A
Tania	XII C	Information practices	7/13/2020	Absent				Related to health issues I could not attend
Priyanka	XII C	Information practices	7/15/2020	Present	Good		None	Na
Sony rawat	XII C	Information practices	7/15/2020	Present	Excellent			I was present in the class

## Attendance of class XI-C

1	Attendance sheet						
2	Class - XI C Information Practices						
3	August						
4	Sr. No.	Name of Student	Phone No	20-08-2020	22-08-2020	25-08-2020	27-08-2020
5	1	Arpit Valmiki	9653181535	P	A	P	P
6	2	Mehak Pillai	9326877263	A	P	P	P
7	3	Saniya Patil	9082371701	P	P	A	P
8	4	Rahul	7045667004	P	P	P	P
9	5	Shashi Kant Kumar	8089944493	P	P	A	A
10	6	Kaushal Kumar	8104314326	P	P	P	P
11	7	Nikhil Sharma	8975460723	P	P	P	P
12	8	Anjani	7021969665	A	A	A	A
13	9	Abhilash Raj	9920292427	A	P	P	P
14	10	Debasmita Pradhan	9082125594	P	P	P	A
15	11	Jaswinder Singh	8454882057	P	P	P	P
16	12	Papinder Singh	8454882057	P	P	P	P
17	13	Archna	9454985023	P	A	P	P
18	14	Jai Shri Ram	7893015765	P	A	P	P
19	15	Shivpal	7977109160	P	P	P	P
20	16	Sangini	75600 57995	A	P	P	P
21	17	Shikha Parihar	77368 96220	P	A	P	P
22	18	Shikha	75994 54614	A	A	A	A
23							
24			Absent	5	6	4	4
25			Present	13	12	14	14
26							

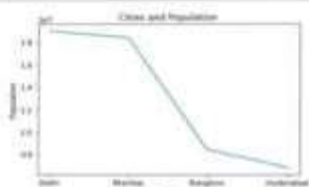
# Results

Class : 11C		Subject :- Information Practices		
Roll No.	Name	PT -1 Marks out of 40	PT-2 Marks out of 40	Half yearly Marks out of 70
1	Abhilash Raj Yadav	24	14	32
2	Anjani	30	29	60
3	Archna	37	30	60
4	Arpit Tinopal Valmiki	29	27	58
5	Debasmita Pradhan	29	21	49
6	Jai Shri Ram	33	28	60
7	Jaswinder	35	37	46
8	Kaushal	31	24	47
9	Mehak Pillai	24	25	53
10	Nikhil Sharma	30	26	49
11	Palle Beaula	26	21	36
12	Papinder	34	37	46
13	Rahul Kumar	30	31	57
14	Sangini Katoch	24	27	31
15	Saniya patil	38	23	43
16	Shashi kant Kumar	31	28	57
18	Shikha Parihar	35	22	46
19	SUJAL DHIMAN	A	16	27

KENDRIYA VIDYALAYA NO. 2 COLABA						
Class : 12 C		Subject :- Information Practices				Marks in
Roll No.	Name	PT -1 Marks out of 40	PT-2 Marks out of 40	PT-3 Marks out of 40	Pre Board -1 Marks out of 70	%
1	Anchal Chaurasia	38	40	38	70	100
2	Ankita Sharma	34	39	33	53	75.71
3	keerti	39	39	37	64	91.42
4	Priyanka sharma	29	31	36	52	74.2
5	Sony rawat	29	32	26	41	58.57
6	Tania	26	34	28	44	62.8
7	Mihir Joshi	NA	34	34	46	65.7
	Total students	Appeared	Passed	Failed		
	7	7	7	0		


# Class activities

```
In [19]:  
import matplotlib.pyplot as plt  
x=['Delhi','Mumbai','Banglore','Hyderal']  
y=[19000000,18400000,8430000,6810000]  
plt.xlabel('Cities')  
plt.ylabel('Population')  
plt.title('Cities and Population')  
plt.plot(x,y)  
plt.show()
```



City	Population
Delhi	19,000,000
Mumbai	18,400,000
Banglore	8,430,000
Hyderabad	6,810,000

```
In [15]:  
import matplotlib.pyplot as plt  
eng_marks=[10,55,30,80,50]  
plt.plot(eng_marks)  
plt.show()
```

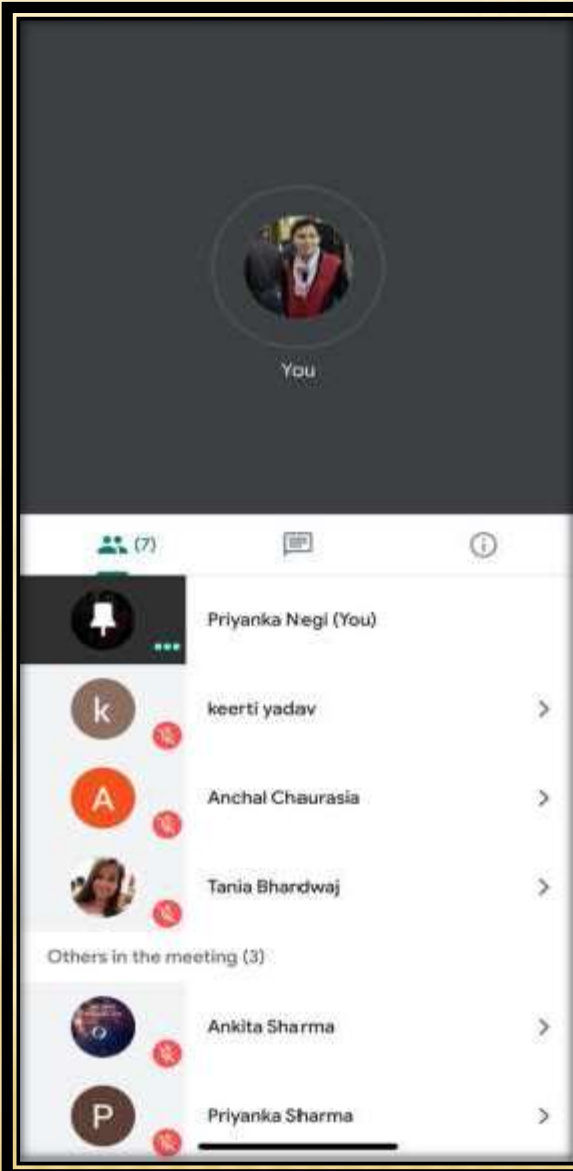


Index	Eng Marks
0	10
1	55
2	30
3	80
4	50

Azure Preview | My Projects | Help anku245

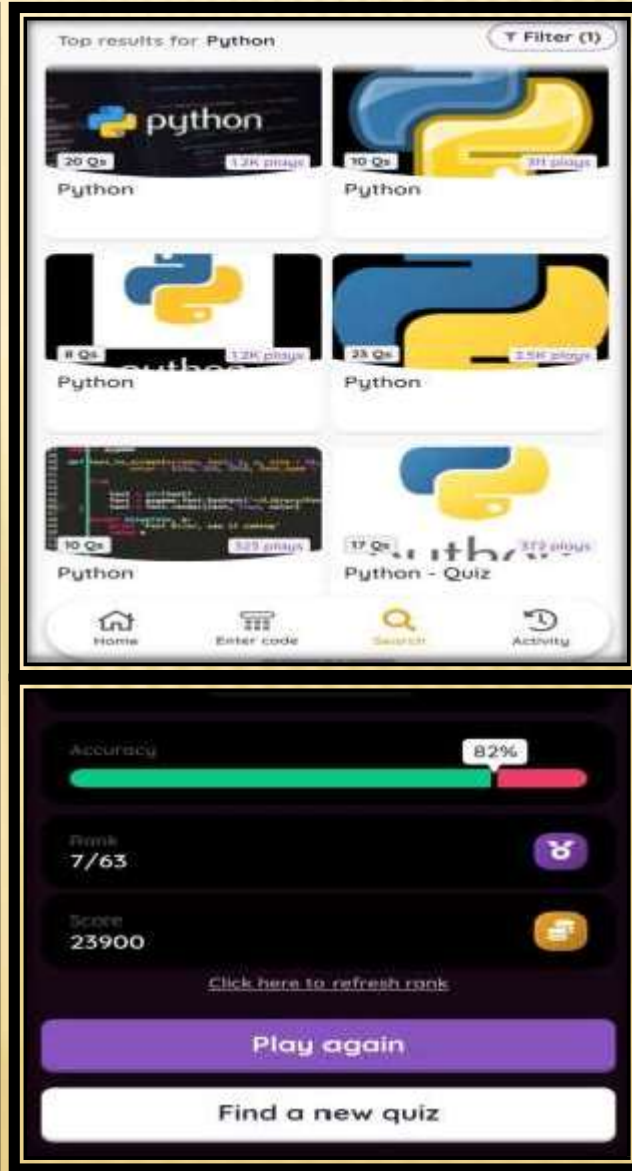
Powered by **Jupyter** class 12 ip Python 3.6

Code | Enter/Exit RISE Slideshow



Zoom meeting interface showing a list of participants:

- You (Profile picture)
- Priyanka Negi (You)
- keerti yadav
- Anchal Chaurasia
- Tania Bhardwaj
- Others in the meeting (3):
  - Ankita Sharma
  - Priyanka Sharma



Top results for Python

Accuracy: 82%

Rank: 7/63

Score: 23900

Click here to refresh rank

Play again

Find a new quiz

Top results for Python (Filter 1):

- Python (20 Qs, 1.2K plays)
- Python (10 Qs, 311 plays)
- Python (11 Qs, 1.2K plays)
- Python (23 Qs, 2.5K plays)
- Python (10 Qs, 329 plays)
- Python - Quiz (17 Qs, 372 plays)



# Class activities

The screenshot shows a Jupyter Notebook with a line plot at the top and Python code in a code cell below. The code defines a function and a list, then prints the list.

```

def plot():
    plot_data=[10,22,30,80,20]
    plot_data.append(92)
    print(plot_data)

In [50]:

```

The plot shows a line graph with data points at (0,10), (1,22), (2,30), (3,80), and (4,20). The x-axis is labeled 'index' and the y-axis is labeled 'value'.

The top part of the screenshot shows a mobile application interface with a green header and a table of data. The bottom part shows a WhatsApp group chat with several members.

The application interface shows a table with the following data:

name	sub1	sub2	sub3
madhu	92	99	89
neha	78	84	62
sona	90	83	62
ranu	45	92	36
rani	98	65	96
ravi	65	56	23

The WhatsApp chat shows a group with 7 members. The members listed are Priyanka Negi (You), Priyanka Sharma, Tania Bhardwaj, Anchal Chaurasia, Ankita Sharma, and keerti yadav.

Case(i)

```

1 import pandas as pd
2 df=pd.read_csv("/storage/emulated/0/Documents/ua.csv",sep=',')
3 print(df)

```

name	sub1	sub2	sub3
0 madhu	92	99	89
1 neha	78	84	62
2 sona	90	83	62
3 ranu	45	92	36
4 rani	98	65	96
5 ravi	65	56	23

[Program Finished]

Case (ii)

```

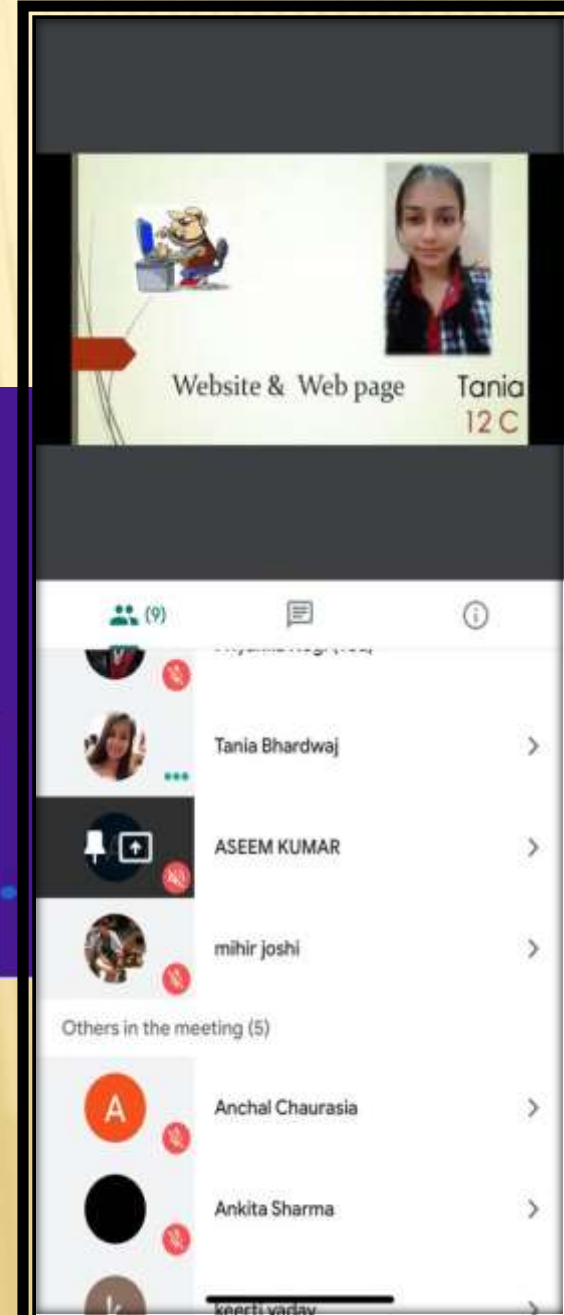
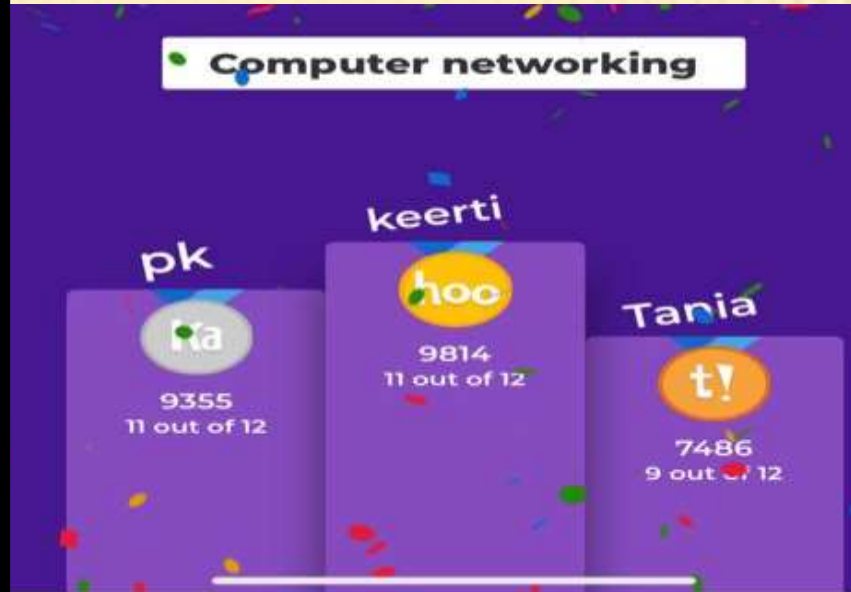
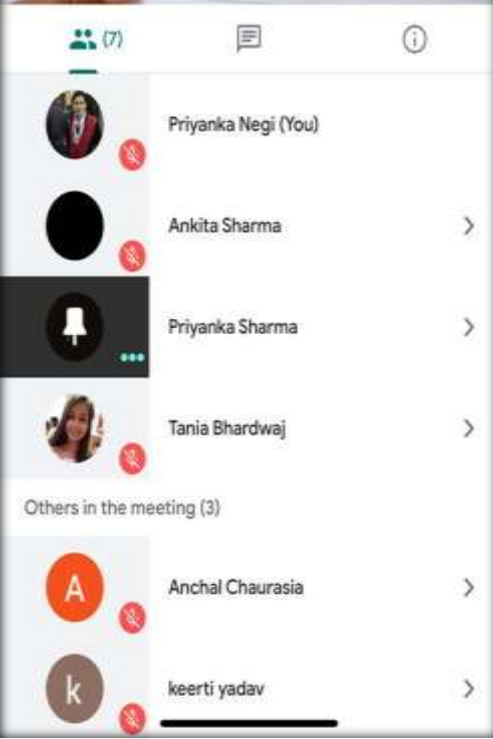
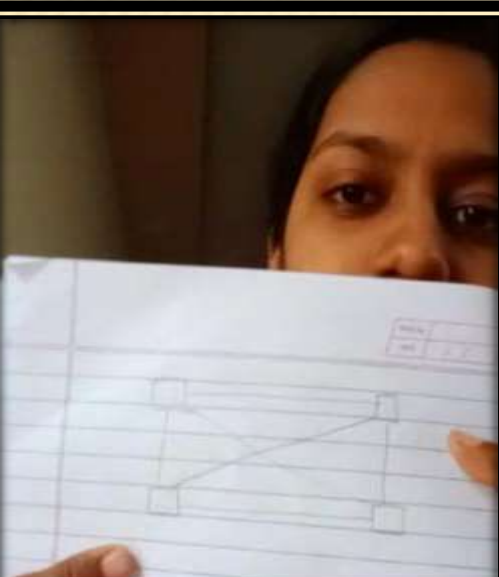
1 import pandas as pd
2 df=pd.read_csv("/storage/emulated/0/Documents/ua.csv")
3 print(df)

```

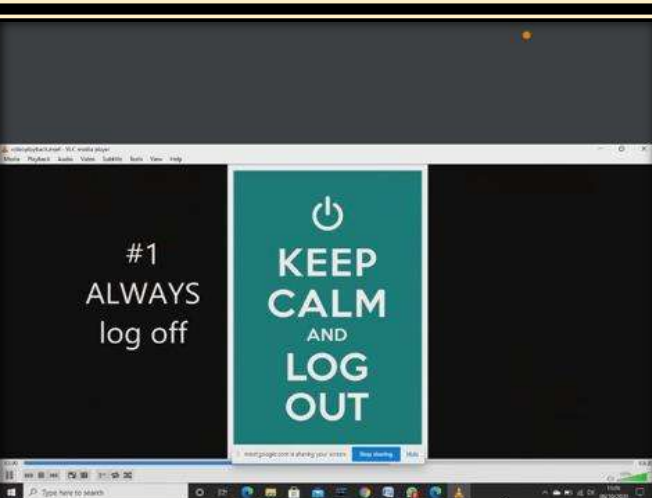
name	sub1	sub2	sub3
0 madhu	92	99	89
1 neha	78	84	62
2 sona	90	83	62
3 ranu	45	92	36
4 rani	98	65	96
5 ravi	65	56	23

[Program Finished]

# Class activities



# Class activities



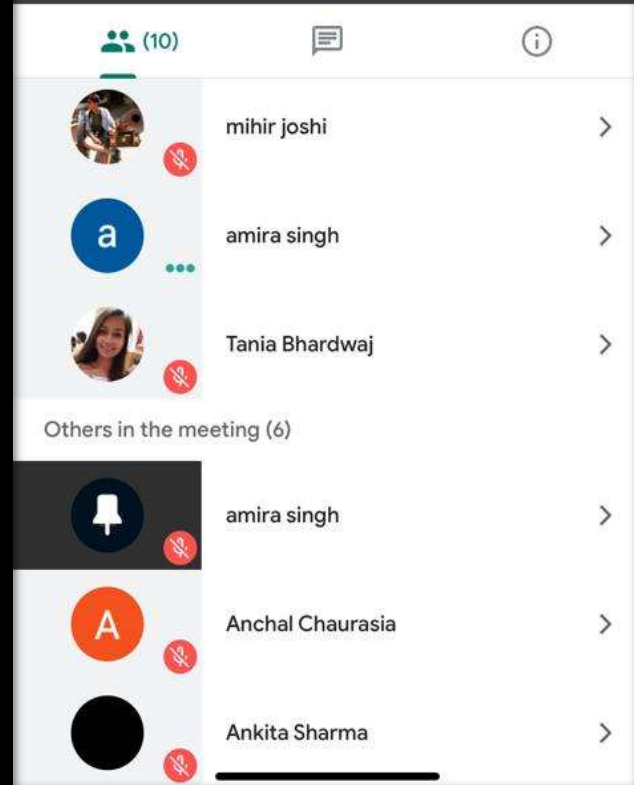
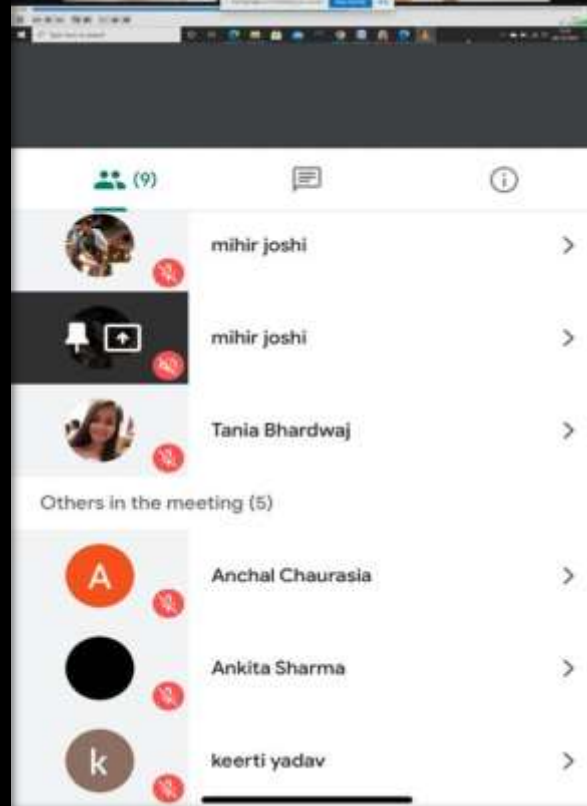
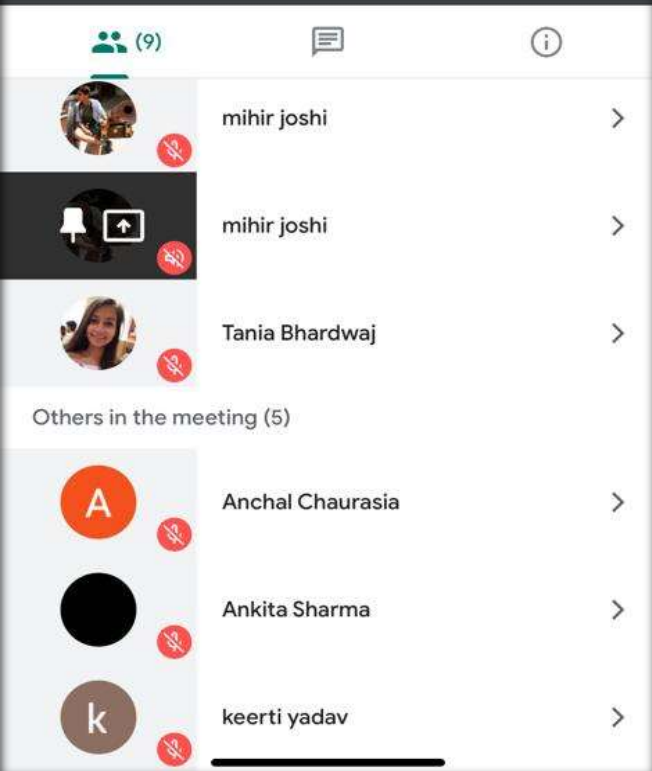
### RTRIM(STR)

Removes trailing spaces i.e. removes spaces from the right side of the string str.

EXAMPLES:

- mysql> SELECT RTRIM('Informatics ');

Result: 'Informatics'



# Assignments Submitted by Students & Checked

## MCQ 1

Note - Consider following table EMP and answer

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7944	TURNER	SALESMAN	7998	1981-09-08	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7762	1982-01-23	1300.00	NULL	10

Q1. SELECT LOWER(ENAME) FROM EMP WHERE EMPNO = 7934; will give the output.

- (a) MILLER CLERK
- (b) Miller Clerk
- (c) miller
- (d) MillerClerk

Q2. SELECT MOD(SAL,COMM) FROM EMP WHERE EMPNO = 7499; will display the output.

- (a) 1
- (b) 100
- (c) 200
- (d) 0

Q3. SELECT POWER(COMM,2) FROM EMP WHERE EMPNO = 7499; will display the output.

- (a) 300
- (b) 900
- (c) 60000
- (d) 90000

Q4. SELECT ROUND(SAL,-2) FROM EMP WHERE EMPNO = 7521; will display the output.

- (a) 1250
- (b) 1200
- (c) 1300
- (d) 1000

Q5. SELECT ROUND(145.2356,-2), ROUND(145.2356,2); display the output

- (a) 145.23, 145.24
- (b) 100.23, 145.23
- (c) 100, 145.23
- (d) 100, 145.24

Q6. Date & Time function allow us to manipulate on \_\_\_\_\_ type data.

- (a) Numeric type
- (b) String type
- (c) Date type
- (d) All of the above

Q7. Write a query to display the current date & time.

- (a) SELECT NOW();
- (b) SELECT DATETIME();
- (c) SELECT DATE();
- (d) SELECT TIME();

Q8. Which function returns the name of the weekday.

- (a) DAYOFWEEK();
- (b) DAYNAME();
- (c) DAY();
- (d) NOW();

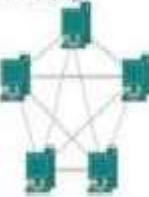
8. If one link fails, only that link is affected. All other links remain active. Which topology does this.

- (a) Physical Topology
- (b) Star Topology
- (c) Bus Topology
- (d) Mesh Topology

9. Which of the following is not a network topology.

- (a) BUS
- (b) TREE
- (c) WAN
- (d) STAR

10. Name the topology



- (a) Tree
- (b) Star
- (c) Bus
- (d) Mesh

## Worksheet - 2 Information practices MCQ on Network Topology

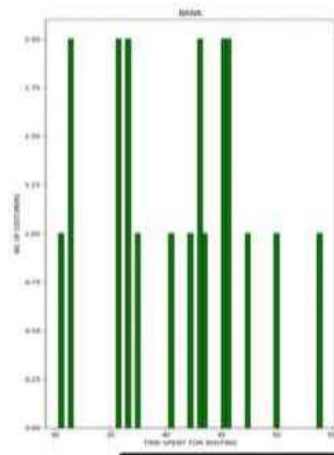
- Bus is a type of topology:  
 True  
 False
- A term that refers to the way in which the nodes of a network are linked together:  
 network topology  
 connection  
 interconnectivity
- Terminators are used in \_\_\_\_\_ topology.  
 bus  
 star  
 tree  
 mesh
- For large networks \_\_\_\_\_ topology is used  
 irregular  
 star  
 bus  
 ring
- A distributed network configuration in which all data/information pass through a central computer is \_\_\_\_\_ network:  
 ring  
 bus  
 star  
 mesh
- The network topology that supports bi-directional links between each possible node is:

- (a) bus
  - (b) mesh
  - (c) tree
  - (d) star
- In \_\_\_\_\_ topology if the computer cable is broken, the network goes down:  
 mesh  
 bus  
 tree  
 star

# Assignments Submitted by students

(ii) when a number is passed in bin

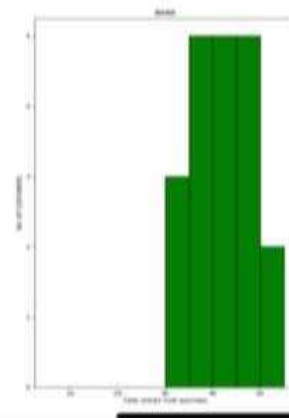
```
1 #giving bin a "number"
2 import matplotlib.pyplot as plt
3 t=[43.1,35.6,37.6,36.5,45.3,43.5,40.3,50.2,
4   47.3,31.2,42.2,45.5,30.3,31.4,35.6,45.2,54.
5   1,45.6,36.5,43.1]
6 |
7 plt.hist(t,bins=55,histtype='bar',
8   edgecolor='k',color='g')
9 plt.ylabel("NO. OF COSTUMERS")
10 plt.xlabel("TIME SPENT FOR WAITING")
11 plt.title("BANK")
12 |
13 plt.show()
```



4.

(i) When list is passed in bin

```
1 #giving bin a list
2 import matplotlib.pyplot as plt
3 t=[43.1,35.6,37.6,36.5,45.3,43.5,40.3,50.2,
4   47.3,31.2,42.2,45.5,30.3,31.4,35.6,45.2,54.
5   1,45.6,36.5,43.1]
6 |
7 i=[5,10,15,20,25,30,35,40,45,50,55]
8 plt.hist(t,bins=i,histtype='bar',edgecolor='k',
9   color='g')
10 plt.ylabel("NO. OF COSTUMERS")
11 plt.xlabel("TIME SPENT FOR WAITING")
12 plt.title("BANK")
13 |
14 plt.show()
```



# Assignments Submitted by students

## BASIC COMPUTER ORGANISATION

### Questions and Answers:-

Q1. What is a computer system?

A Computer system is a set of integrated devices that input and output, process, and store data and information. Computer systems are currently built around at least one digital processing device. There are five main hardware components in a computer system: Input, processing, storage, output and communication devices.

Q2. Advantages and disadvantages of computer system?

Advantages:-

- Speed
- Accuracy
- Huge storage
- Versatility
- Tirelessness

Disadvantages:-

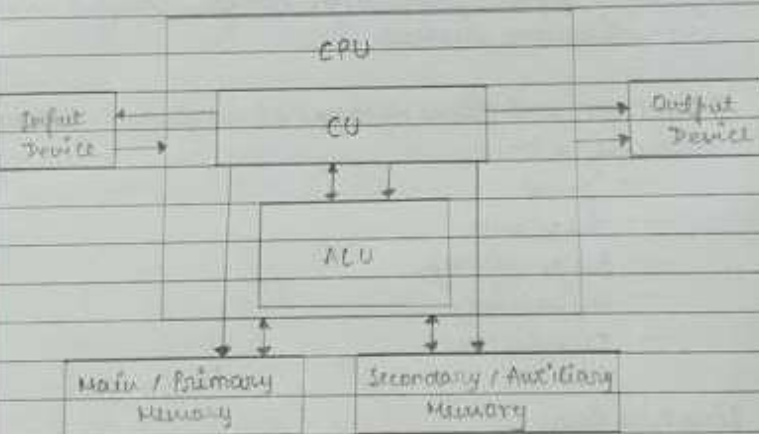
- Data security issue
- Computer crimes
- Health risk
- Bad impact on environment if not properly disposed

What do you understand by the term 'Computing'?  
The use of a computer to process data or perform calculation or the act of calculating or reckoning through computer is known as computing.

Q3. Draw main component of computer system / basic organisation of computer system?

Describe briefly →

- (i) CPU
- (ii) Register
- (iii) CU
- (iv) ALU



→ Data paths → Control signals

# Assignments Submitted by students

- b) nbytes  
c) ndim  
d) dtype
- 8) To display third element of a series object S, you will write \_\_\_\_\_  
a) S[3]  
b) S[2]  
c) S[1]  
d) S[0]
- 9) To display first three elements of a Series object S, you may write \_\_\_\_\_  
a) S[3]  
b) S[1]  
c) S[0:3]  
d) All of these
- 10) Fill in the blanks:  
a. CSV stands for comma separated values file  
b. read\_csv is used to import data from a CSV file.  
c. To create a CSV file csv() function is used.  
d. sep argument is used to specify a separator in a CSV file.  
e. Default separator of CSV file is comma.  
f. header argument is used to provide our own heading to the dataframe while reading a CSV file. datazas;skiprows  
g. To skip rows of a CSV file while reading it, skiprows argument is used.
- 11) Multiple choice questions:  
a. Syntax to read a CSV file is:  
i. pd.read\_csv(file)  
ii. df.read\_csv(file)  
iii. pd.read(file, CSV)  
iv. DF.read(file, CSV)
- b. Which of the following argument is not allowed in read\_csv():  
i. sep ii. names iii. char iv. header
- c. To use column's values of a CSV file as index labels of dataframe, which argument is used:  
i. index ii. index\_labels iii. index\_col iv. index\_values
- d. To skip 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> row of a CSV file, which argument should be written in read\_csv():  
i. skiprows=1,3,5  
ii. skiprows = [1,3,5]  
iii. skiprows= (3,5)  
iv. Any of these
- e. choose the correct option to suppress the 1<sup>st</sup> row as header:  
i. header=None  
ii. header = NULL  
iii. mheader = True  
iv. skipheader = True

```
33
44
55
type: int64 5    66
77
88
type: int64 0    11
22
type: int64 5    66
77
88
99
100
type: int64 6    77
88
type: int64
100
type: int64 7    88
99
100
type: int64 5    66
77
88
99
100
type: int64
Program finished]
```

```
11
22
33
44
e: int64
20.0
40.0
60.0
80.0
NaN
NaN
e: float64
100.0
400.0
900.0
1600.0
250.0
360.0
NaN
NaN
NaN
e: float64
Program finished]
```

# Art Integrated Learning

Kendriya Vidyalaya no.2  
colaba

## Art Integrated Learning

Name: Anchal Chaurasia  
Class: 12C  
Subject: I.P

### Topic

- Using turtle module of python to make 'New Year' greeting card



### New Year E-greeting

VIDEO



PHOTO



## RANGOLI

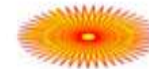
PYTHON CODE:

```
import turtle  
t = turtle.Turtle()  
t.speed(20) # 1:slowest, 3:slow, 5:normal, 10:fast, 0:fastest  
t.color('red','yellow')
```

```
t.begin_fill()  
for i in range(100):  
    t.forward(200)  
    t.left(168.5)
```

```
t.end_fill()
```

OUTPUT:



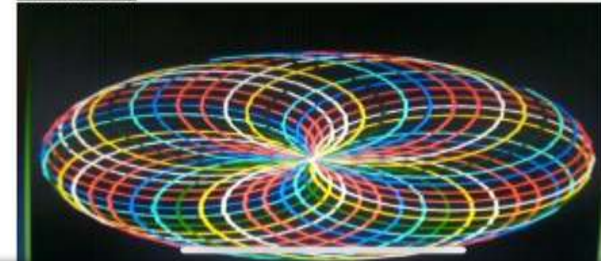
## CIRCLE SPIROGRAPH

PYTHON CODE:

```
import turtle  
pegasus= turtle.Turtle()  
pegasus.speed(0) # 1:slowest, 3:slow, 5:normal, 10:fast, 0:fastest  
pegasus.getscreen().bgcolor('black')  
pegasus.pensize(2)
```

```
for i in range(6):  
    for colours in  
('red','magenta','blue','cyan','green','yellow','white'):  
        pegasus.color(colours)  
        pegasus.circle(100)  
        pegasus.left(10)
```

OUTPUT:





# Art Integrated Learning



## practices

NAME - SONY RAWAT  
Class - 12 SEC - C  
Subject - INFORMATICS PRACTICES  
Teacher name - PUNITA Prayaska regal

### Turtle function ( )

## HOW TO MAKE CARTOON BY USING TURTLE FUNCTION .

```
from turtle import Turtle, Screen  
t = Turtle()  
s = Screen()  
t.hideturtle()  
s.setup(500, 600)  
x_offset, y_offset = 0, 120  
zoom_factor = 15  
t.speed(2)  
  
## Top piece  
piece1 = [ [0, -2, -3.5, -6.5, -8.5, -8.5, -8.0, -8.5, -7.5, -7.0, -2.0, 0], [0, 0, 7, 5.5, 4, -1, -4, -5.5, -6.5, -5.5, -7.0, -7.0] ]  
## Middle piece  
piece2 = [ [0, -2.0, -2.5, -5.0, -6.5, -8.8, -9.3, -9.3, -6.0, -5.5, -4.0, -3.2, 0], [-7.5, -7.5, -8.0, -8.3, -8.0, -6.0, -7.5, -8.0, -14.5, -16.5, -17.5, -16.5, -16.5] ]  
## Bottom piece  
piece3 = [ [0, -3.0, -4.0, -5.5, -6.0, -4.5, -3.0, -1.5, -1.0, 0], [-17.0, -17.0, -18.0, -17.0, -18.5, -20.0, -19.0, -19.0, -18.5, -18.5] ]  
  
r = Turtle()  
s = Screen()  
t.hideturtle()  
s.setup(500, 600)  
x_offset, y_offset = 0, 120  
zoom_factor = 15  
t.speed(2)
```

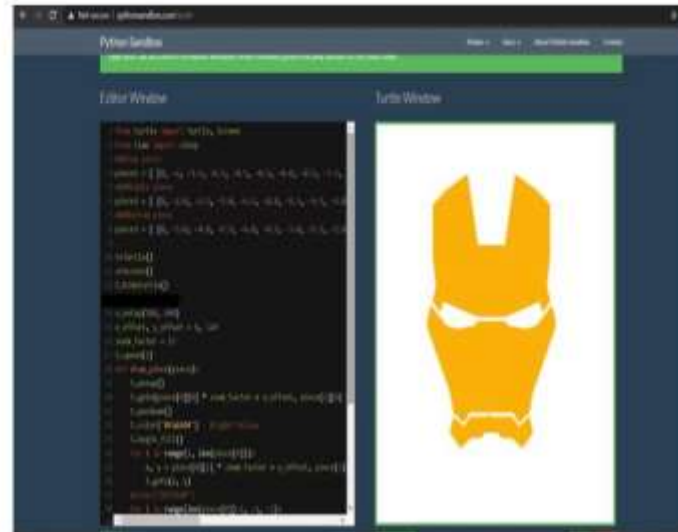
IRON MAN  
OUTPUT



```
def draw_piece(piece):  
    t.penup()  
    t.goto(piece[0][0] * zoom_factor + x_offset, piece[1][0] *  
zoom_factor + y_offset)  
    t.pendown()  
    t.color("#fab104") #Light Yellow  
    t.begin_fill()  
    for i in range(1, len(piece[0])):  
        x, y = piece[0][i] * zoom_factor + x_offset, piece[1][i] *  
zoom_factor + y_offset  
        t.goto(x, y)  
    #color("#f19100")  
    for i in range(len(piece[0])-1, -1, -1):  
        x, y = piece[0][i] * zoom_factor * -1 + x_offset, piece[1][i] *  
zoom_factor + y_offset  
        t.goto(x, y)  
    t.end_fill()
```

```
def draw_piece(piece):  
    t.penup()  
    t.goto(piece[0][0] * zoom_factor + x_offset, piece[1][0] *  
zoom_factor + y_offset)  
    t.pendown()  
    t.color("#fab104") #Light Yellow  
    t.begin_fill()  
    for i in range(1, len(piece[0])):  
        x, y = piece[0][i] * zoom_factor + x_offset, piece[1][i] *  
zoom_factor + y_offset  
        t.goto(x, y)  
    #color("#f19100")  
    for i in range(len(piece[0])-1, -1, -1):  
        x, y = piece[0][i] * zoom_factor * -1 + x_offset, piece[1][i] *  
zoom_factor + y_offset  
        t.goto(x, y)  
    t.end_fill()
```

## OUTPUT:-



# Project: Case study on COVID-19

**KENDRIYA VIDYALAYA NO.2,  
COLABA**



**INFORMATIC PRACTICES**

**CLASS:12<sup>th</sup>**

**PROJECT FILE**

**SESSION 2020-21**

**TEACHER:** Priyanka Negi  
PGT CS

**STUDENT:** Anchal Chaurasia  
Class:12C

## CERTIFICATE

This is to certify that Anchal Chaurasia, student of class 12<sup>th</sup> 'C' has successfully completed the research on the project "Analysis of Covid-19 impact on India using Data Visualisation" under the guidance of Miss Priyanka Negi during the year 2020-21.

## Deaths in each age group due to Covid-19

Deaths caused in each age groups is shown below through a line graph as at 2<sup>nd</sup> September, 2020.

CSV FILE

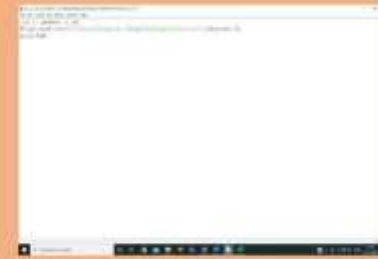
x	y
0-10	0.5
11-20	0.7
21-30	2.6
31-40	8.1
41-50	13.4
51-60	25.13
61-70	28.6
71-80	17
81-90	5.3
>90	0.5

9

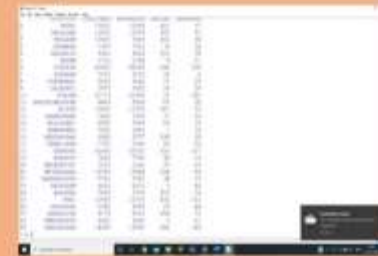
## PROGRAM

```
1 import matplotlib.pyplot as plt
2 import pandas as pd
3 a=pd.read_csv('/storage/emulated/0/Download/covidip3.csv')
4 plt.plot(a['x'],a['y'],marker='*',
5         markedgedgecolor='r')
6 plt.title('% of death in each age group')
7 plt.xlabel('Ages')
8 plt.ylabel('percent')
9 plt.show()
```

## CALLING CSV FILE :



## Output:



## Graphical representation on the following data of COVID cases.

### CODE:

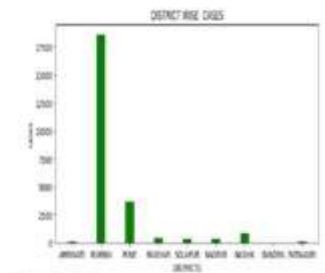
```
1 import matplotlib.pyplot as plt
2 x=[AMBAVATI,MUMBAI,PUNE,
3     RAJGARH,SOLAPUR,NAGPUR,
4     NASHIK,BANDRA,RAJNAGARI]
5 y=[102,16556,3674,414,371,352,835,
6     1,91]
7 plt.xlabel(DISTRICTS)
8 plt.ylabel(CASES)
9 plt.title(DISTRICT WISE CASES)
10 plt.bar(x,width=0.3,color='g')
11 plt.show()
```

Graphical representation on the following data of COVID cases

### Code:

```
1 import matplotlib.pyplot as plt
2 x=[AMBAVATI,MUMBAI,PUNE,
3     RAJGARH,SOLAPUR,NAGPUR,
4     NASHIK,BANDRA,RAJNAGARI]
5 y=[102,16556,3674,414,371,352,835,
6     1,91]
7 plt.xlabel(DISTRICTS)
8 plt.ylabel(CASES)
9 plt.title(DISTRICT WISE CASES)
10 plt.bar(x,width=0.3,color='g')
11 plt.show()
```

### Output-



## Presentation by students

1.

<https://drive.google.com/file/d/1udFAGjumf5uMgYv7fcDG0QTnPmTrU6UI/view?usp=drivesdk>

2.

[https://drive.google.com/file/d/1n\\_\\_Rgzai0PYSyCl4eYL5zTq2QaneNfgo/view?usp=drivesdk](https://drive.google.com/file/d/1n__Rgzai0PYSyCl4eYL5zTq2QaneNfgo/view?usp=drivesdk)

3.

<https://drive.google.com/file/d/1Tv9baYFMPwPCsP3VZIE0LJqttCzB2qQh/view?usp=drivesdk>

*Thank  
You*

