अटल बिहारी वाजपेयी विश्वविद्यालय,बिलासपुर छत्तीसगढ़
Atal Bihari Vajpayee Vishwavidyalaya , Bilaspur Chhattisgarh

A REPORT OF

ONE WEEK STUDENT DEVELOPMENT PROGRAMME (SDP)

ORGANIZED BY

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA, BILASPUR (C.G.)

IN ASSOCIATION WITH

EICT ACADEMY, IIT KANPUR

SUPPORTED BY

CODING CLUB

Under The MoU Between

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA, BILASPUR (C.G.)

And

IIT KANPUR

DATE: 18-22 DECEMBER, 2023

EVENT DETAILS

The One-Week Student Development Programme (SDP) organized by the Coding Club of the Department of Computer Science and Application at Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.), in collaboration with the EICT Academy, IIT Kanpur, was successfully conducted from 18th December to 22nd December, 2023. The SDP aimed to enhance the technical and professional skills of the participating students and provide them with valuable insights into the latest advancements in the field of computer science and technology. Mr. Jeetendra Kumar efficiently coordinated the program, ensuring smooth execution of various activities and sessions throughout the week. Dr. H.S. Hota, the Convenor of the program, played a pivotal role in overseeing the overall planning and organization.

A total of 116 enthusiastic students participated in the SDP, representing a diverse range of backgrounds and interests within the field of computer science. The program featured a comprehensive curriculum consisting of workshops, lectures, hands-on sessions, and interactive discussions, covering a wide array of topics such as programming languages, web development, data science, artificial intelligence, and cybersecurity. Eminent faculty members, industry experts, and alumni were invited to deliver insightful lectures and conduct practical sessions, providing participants with valuable industry perspectives and real-world applications of theoretical concepts. The interactive nature of the sessions allowed students to clarify their doubts, engage in meaningful discussions, and gain practical experience in various domains of computer science.

Throughout the program, participants actively participated in coding challenges, group projects, and hackathons, showcasing their creativity, problem-solving abilities, and teamwork skills. The collaborative learning environment fostered innovation and encouraged students to explore new ideas and technologies.

The SDP also provided networking opportunities for students to interact with peers, mentors, and professionals from the industry, enabling them to build valuable connections and expand their professional network.

In conclusion, the One-Week Student Development Programme organized by the Coding Club was a resounding success, empowering participants with the knowledge, skills, and confidence to excel in the field of computer science. The program served as a platform for continuous learning, skill enhancement, and personal growth, reaffirming the commitment of Atal Bihari Vajpayee Vishwavidyalaya to fostering excellence in education and research in the field of computer science and technology.

PARTICIPANTS

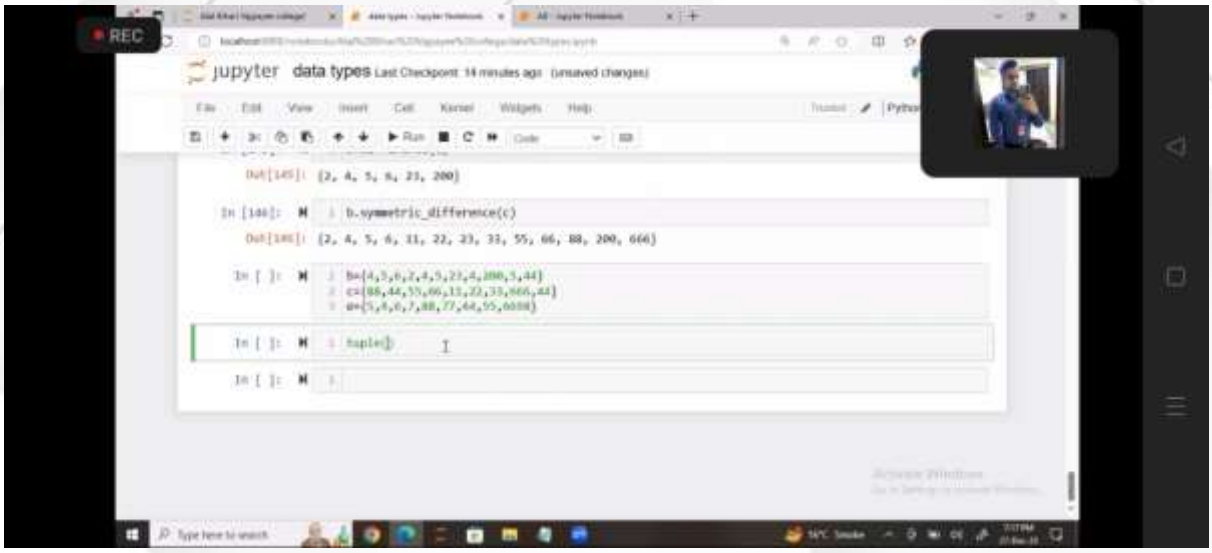
S.No.	Name	Class
1	Aanchal Dewangan	MCA -I Semester
2	ABHINIT TRIPATHI	M.Sc. (CS) III Semester
3	ABHISHEK KESHARWANI	MCA -I Semester
4	Abhishek Jaiswal	M.Sc. (CS) III Semester
5	Abhishek Kamal	M.Sc. (CS) I Semester
6	ADARSH TIWARI	M.Sc. (CS) III Semester
7	Aditya Kushwaha	M.Sc. (CS) III Semester
8	Akanksha Gautam	MCA -I Semester
9	Akanksha Singaur	MCA -I Semester
10	Akhilesh Pratap	MCA -I Semester
11	Aman Kurrey	MCA -I Semester
12	Amitesh Verma	MCA -I Semester
13	Anjali Khargvanshi	MCA -I Semester
14	Anjani Kashyap	MCA -I Semester
15	Ankit Barai	MCA -I Semester
16	Avinash Kumar Salam	B.Sc. (CS) I Semester
17	Avinash Tiwari	MCA -I Semester
18	Barakha Soni	M.Sc. (CS) III Semester
19	Bhuwan Singh Karsh	MCA -I Semester
20	Chandani Dewangan	M.Sc. (CS) III Semester
21	Chandrakala Rathore	MCA -I Semester
22	Chandrashekhar Dewangan	MCA -I Semester
23	Deepesh Kumar Singh	MCA – III
24	Deepshikha Dahire	MCA -I Semester
25	Devlal PATEL	M.Sc. (CS) I Semester
26	Dinesh Jaiswal	B.Sc. (CS) I Semester
27	Dineshwar	MCA 3rd

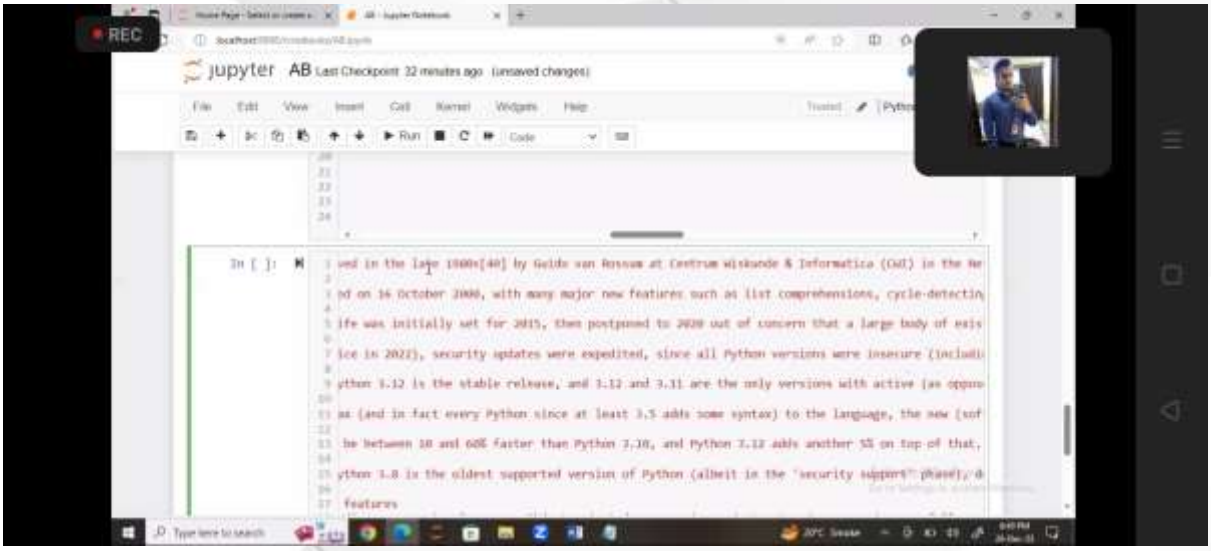
28	**Dipesh Dhivar**	**M.Sc. (CS) III Semester**
29	**Durga Kaushik**	**MCA -I Semester**
30	**Durga Manhar**	**MCA -I Semester**
31	**Geeta Kumari**	**M.Sc. (CS) III Semester**
32	**Geetanjali Soni**	**MCA -I Semester**
33	**Himanshu Bhardwaj**	**M.Sc. (CS) III Semester**
34	**Jankee Dixena**	**M.Sc. (CS) III Semester**
35	**kalpana Bisen**	**M.Sc. (CS) III Semester**
36	**Karan kumar Karan kumar**	**MCA -I Semester**
37	**Khemchand Mire**	**MCA -I Semester**
38	**Khushi Dewangan**	**MCA -I Semester**
39	**Kriparam kanwar Kanwar**	**MCA -I Semester**
40	**Kuldeep kumar Sahu**	**MCA -I Semester**
41	**Lalima**	**M.Sc. (CS) III Semester**
42	**Lema Dewangan**	**M.Sc. (CS) I Semester**
43	**Lipakshee Sahu**	**M.Sc. (CS) III Semester**
44	**Lokendra Kumar**	**M.Sc. (CS) III Semester**
45	**LUCKY SAGAR**	**MCA -I Semester**
46	**Manish Tiwari**	**MCA -I Semester**
47	**Manisha Gupta**	**M.Sc. (CS) III Semester**
48	**Mayank Chelak**	**M.Sc. (CS) III Semester**
49	**Narendra Nirmalkar**	**MCA -I Semester**
50	**Neda Khan Khokhar**	**MCA -I Semester**
51	**Neeraj Yadav**	**M.Sc. (CS) I Semester**
52	**NEETU PATEL**	**MCA -I Semester**
53	**Nisha Devi**	**M.Sc. (CS) III Semester**
54	**Nisha Kumbhkar**	**MCA -I Semester**
55	**Nitesh Kumar Dinkar**	**MCA -I Semester**
56	**Omprakash Yadav**	**MCA 3rd Semester**
57	**PALAK JOSHI**	**M.Sc. (CS) III Semester**

58	**Parwati Shriwas**	**MCA 3rd semester**
59	**PINKY PATEL**	**MCA -I Semester**
60	**Pooja Kaiwart**	**MCA -I Semester**
61	**Poonam Kesharwani**	**MCA -I Semester**
62	**Pratham Dwivedi**	**MCA -I Semester**
63	**Preeti Kumari**	**M.Sc. (CS) III Semester**
64	**Priti Kashyap**	**MCA -I Semester**
65	**Priyanka Dubey**	**M.Sc. (CS) III Semester**
66	**Purab Nath**	**MSC 3rd sem**
67	**PUSHPALATA SAHU**	**MCA -I Semester**
68	**Pushpendra**	**MCA -I Semester**
69	**Radha Singh Chauhan**	**M.Sc. (CS) III Semester**
70	**Rajesh Sahu**	**MCA-III**
71	**RAMESHWAR JOSHI**	**M.Sc. (CS) I Semester**
72	**Ranjeet Singh Salam**	**BSC 1st**
73	**Ravindra Kumar Shriwas**	**MCA -I Semester**
74	**Ravindra Nishad**	**M.Sc. (CS) III Semester**
75	**Richa Lata Minj**	**M.Sc. (CS) III Semester**
76	**Ritu Sahu**	**MCA-III**
77	**ROHIT SINGH**	**MCA -I Semester**
78	**Rupanjali Bareth**	**M.Sc. (CS) III Semester**
79	**RUSTAM NAYAK**	**MCA -I Semester**
80	**Sakshi Singh**	**M.Sc. (CS) III Semester**
81	**satyam patel**	**B.Sc. (CS) V Semester**
82	**SAUMYA DEWANGAN**	**MCA -I Semester**
83	**Shashikant Sahu**	**M.Sc. (CS) III Semester**
84	**Shejal Chhabra**	**MCA -I Semester**
85	**Shiva Soni**	**M.Sc. (CS) III Semester**
86	**SHIVAM RAI**	**M.Sc. (CS) III Semester**
87	**Shivangi Pandey**	**MCA -I Semester**

88	**Shivangi Pathak**	**MCA -I Semester**
89	**Shruti Dansena**	**MCA -I Semester**
90	**Soumya Kaser**	**MCA -I Semester**
91	**Suman Nirmalkar**	**Bsc5 semester**
92	**Sumita Samanta**	**MCA -I Semester**
93	**Sunika Tirkey**	**B.Sc.3rd semester**
94	**Sunil Kumar Patel**	**M.Sc. (CS) III Semester**
95	**Suprit Banerjee**	**MCA -I Semester**
96	**Suraj Sahu**	**M.Sc. (CS) III Semester**
97	**Surit Chandrakar**	**B.Sc. III Year**
98	**Surya Prakash Patel**	**MCA 3rd**
99	**Svejal Gupta**	**MCA -I Semester**
100	**Swapnil Pandey**	**MCA -I Semester**
101	**T Anisha**	**MCA -I Semester**
102	**Tanu Bharti**	**MCA -I Semester**
103	**Tanupriya Sao**	**MCA -I Semester**
104	**Tanya Gupta**	**M.Sc. (CS) I Semester**
105	**Tumesh**	**MCA -I Semester**
106	**Ujjwal Matoliya**	**MCA-III**
107	**Vasudev Kaushik**	**M.Sc. (CS) I Semester**
108	**Vidya Shankar**	**M.Sc. (CS) I Semester**
109	**Vinod kumar Patel**	**M.Sc. (CS) III Semester**
110	**Virendra Kurre**	**BSc 1st year**
111	**Virendra Kurre**	**BSc 1st year**
112	**VISHAL JANGADE**	**MCA -I Semester**
113	**Yash Rahi**	**MCA-III**
114	**Yashwant Pratap Singh**	**MCA -I Semester**
115	**Yogesh Kumar**	**MCA -I Semester**
116	**Yogita Shriwas**	**M.Sc. (CS) III Semester**

GLIMPSES


REC
jupyter data types Last Checkpoint: 14 minutes ago (unsaved changes)
File Edit View Insert Cell Kernel Widgets Help
Run
Out[145]: {2, 4, 5, 6, 21, 200}
In [146]: b.symmetric_difference(c)
Out[146]: {2, 4, 5, 6, 11, 22, 23, 33, 55, 66, 88, 200, 666}
tuple()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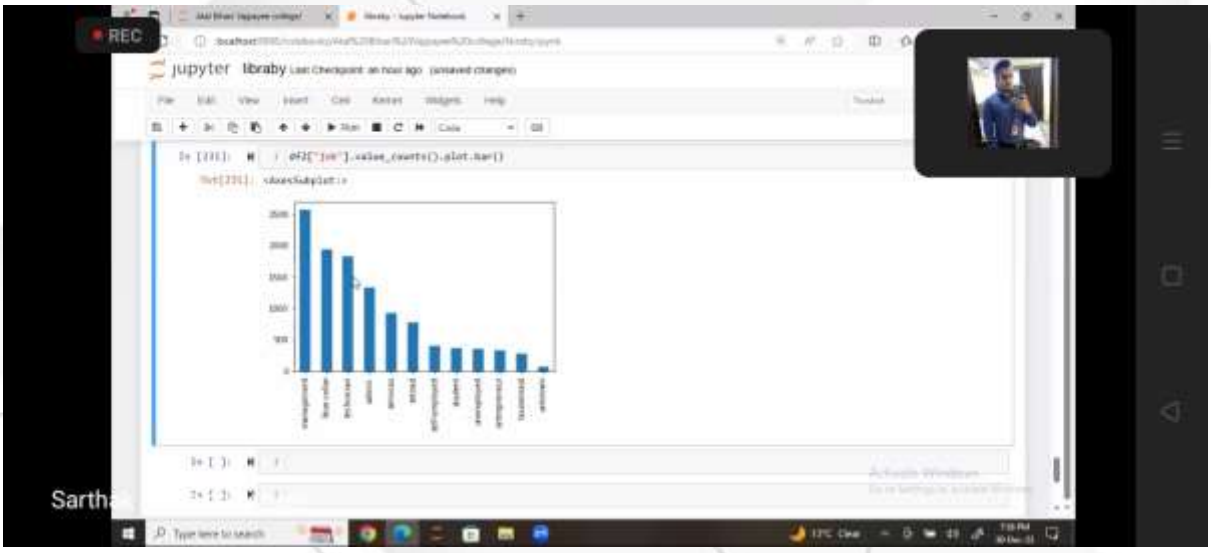
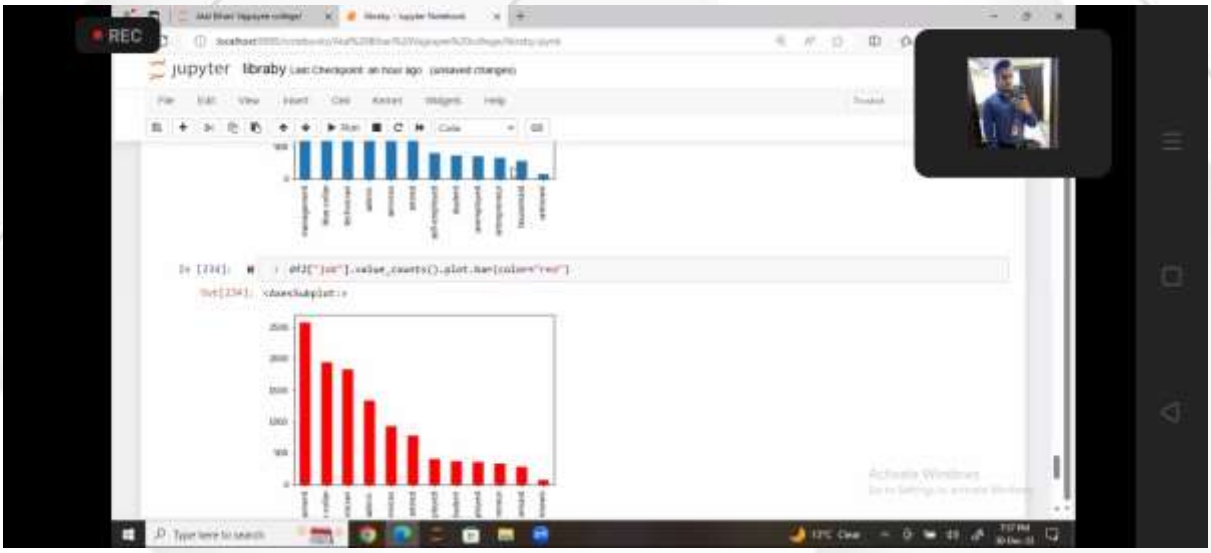
Run


REC
jupyter libraby Last Checkpoint: an hour ago (unsaved changes)
df2["job"].value_counts().plot.bar()
Out[231]: <AxesSubplot:>

GLIMPSES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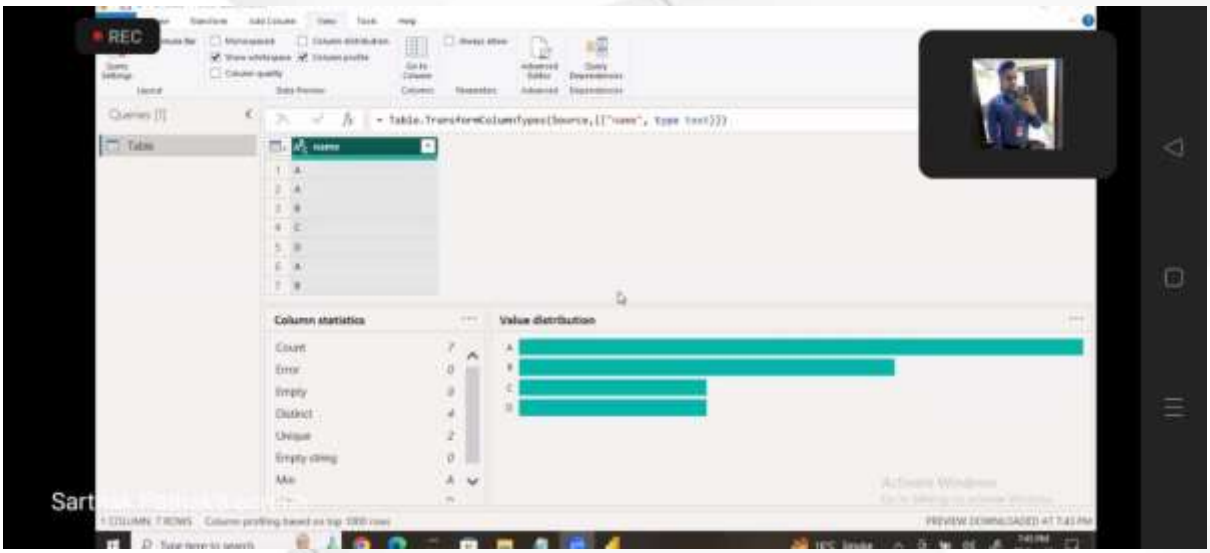
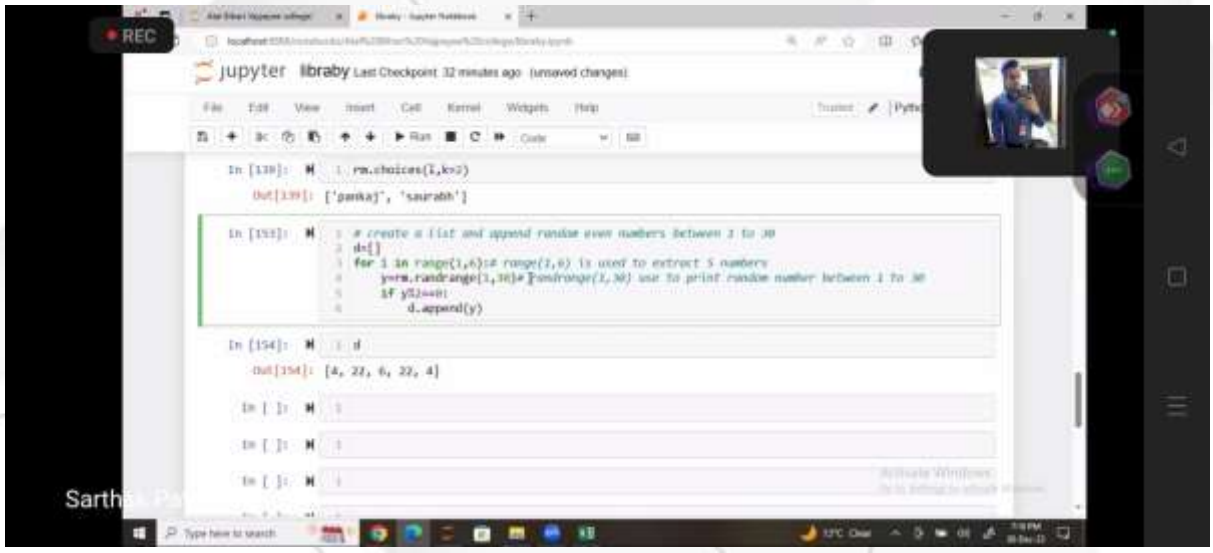
jupyter libraby


REC
Column statistics
Value distribution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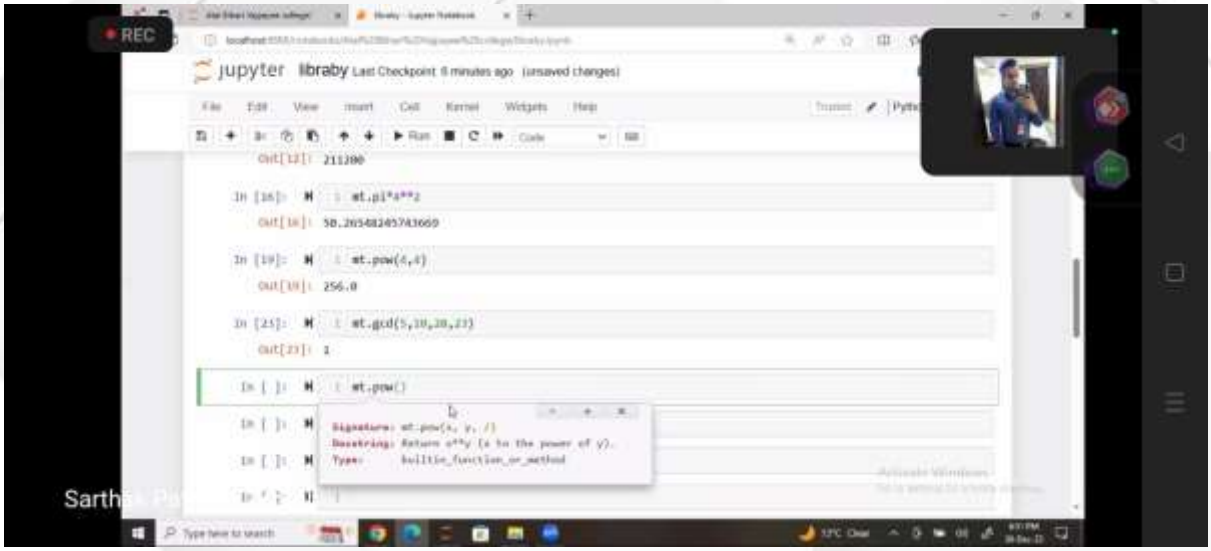
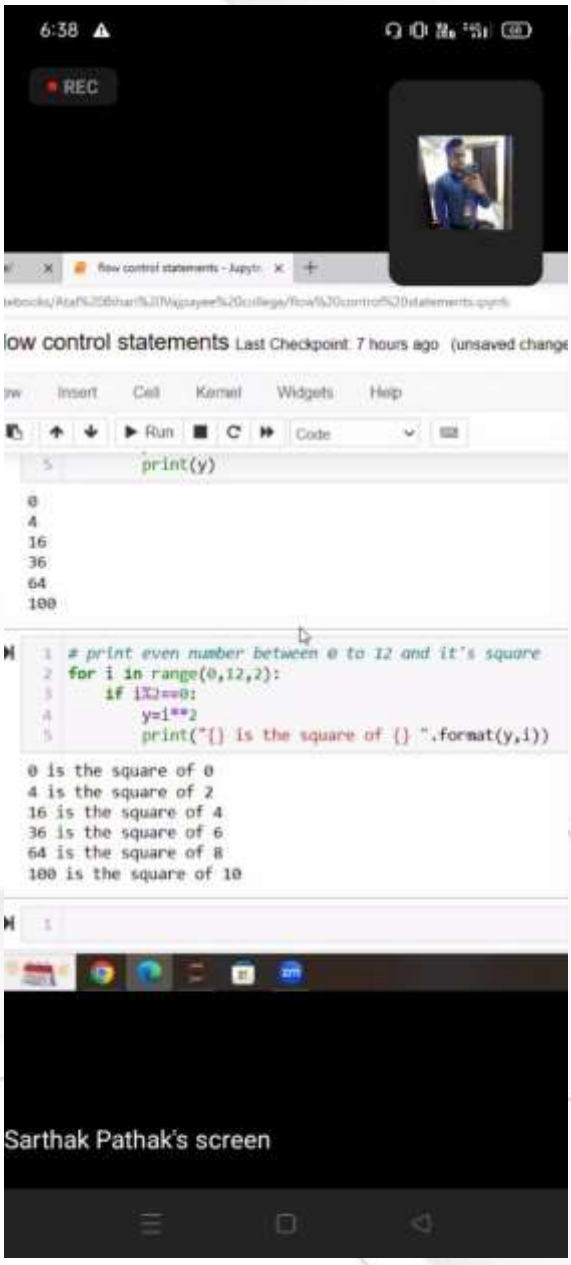
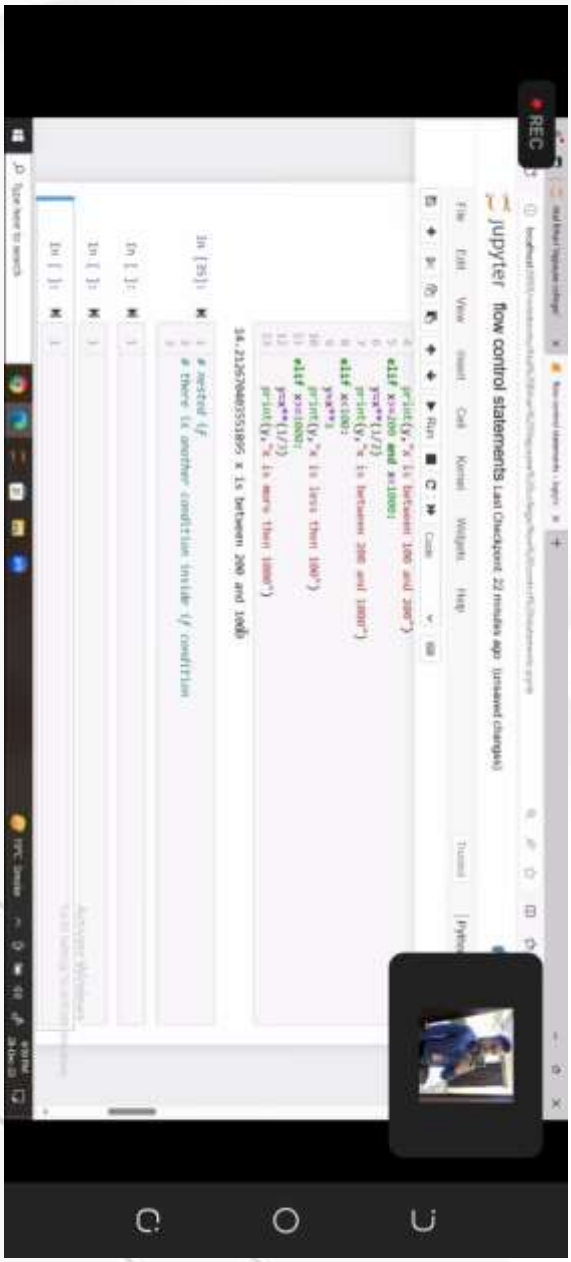
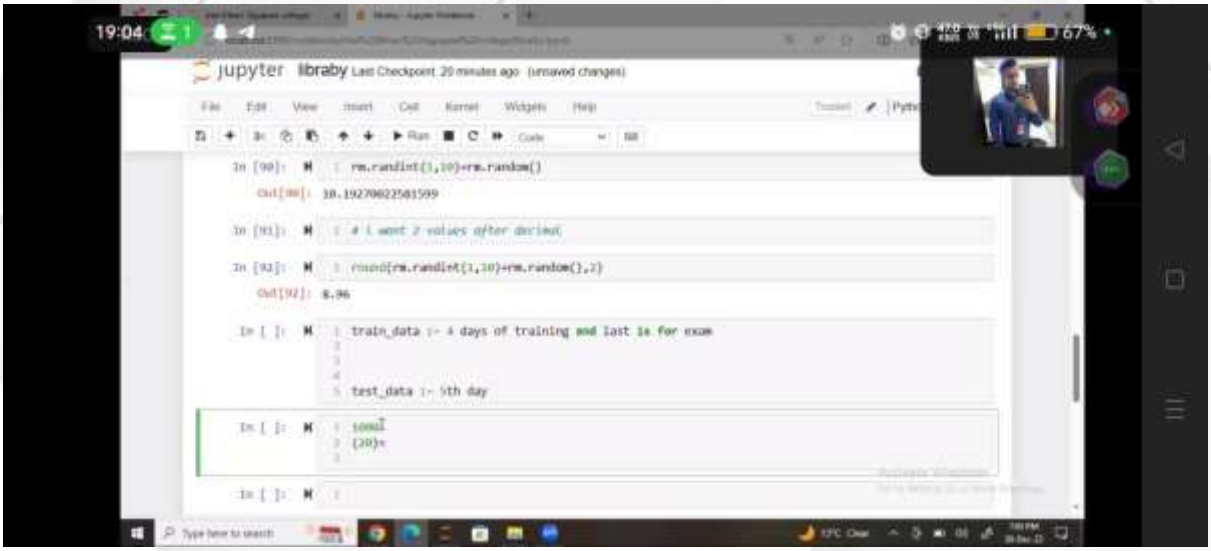
GLIMPSES

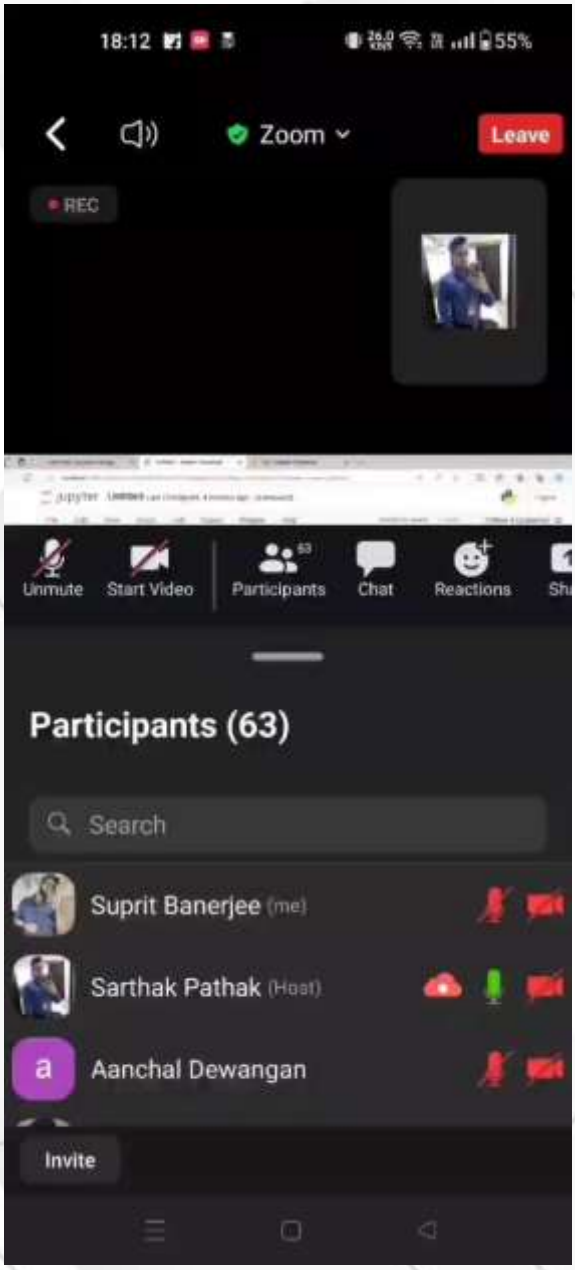

REC
jupyter libraby Last Checkpoint: 6 minutes ago (unsaved changes)
In [12]: 211200
In [16]: mt.pi*4**2
Out[16]: 50.26548245743669
In [19]: mt.pow(4,4)
Out[19]: 256.0
In [25]: mt.gcd(5,10,20,23)
Out[23]: 1
In [ ]: mt.pow()
Signature: mt.pow(x, y, /)
Docstring: Return x**y (x to the power of y).
Type: builtin_function_or_method


6:38
REC
low control statements Last Checkpoint: 7 hours ago (unsaved change
Insert Cell Kernel Widgets Help
Run Code
print(y)
0
4
16
36
64
100
# print even number between 0 to 12 and it's square
for i in range(0,12,2):
if i%2==0:
y=i**2
print("{} is the square of {} ".format(y,i))
0 is the square of 0
4 is the square of 2
16 is the square of 4
36 is the square of 6
64 is the square of 8
100 is the square of 10
Sarthak Pathak's screen


REC
jupyter flow control statements Last Checkpoint: 22 minutes ago (unsaved changes)
nested if
there is another condition inside if condition

GLIMPSES


jupyter libraby
train_data :- 4 days of training and last is for exam
test_data :- 5th day


Zoom
Leave
REC
Unmute
Start Video
Participants
Chat
Reactions
Participants (63)
Search
Suprit Banerjee (me)
Sarthak Pathak (Host)
Aanchal Dewangan
Invite