

in python:

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Roll number:320126552002

Section:CSM

Subject:Python

Description:The code below describes the record of attendance of Csm students by the particular faculty in a particular day.Here,the data is displayed in the form of table using pandas and the members who are absent are allotted absent fot that particular subject of that particular day.

Source code :

[illegible]

```

for i in range(0,30):
    if str(i+1) not in Ab:
        absent[i]='P'
dict1={
    "Roll
names":[320126552001,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
,23,24,25,26,27,28,29,30],
    "Names":["Manasa","Harika","Vishal","Lalli sri","Eswar
Balaji","Pujitha","Sirisha","Harini","Abhilash","Akhil","Harshitha","Tej
Kiran","Anudeep","Prasanna","Shivani","Nithin Joy","Vinay Kunmar","Sai
sree","Lohith","SivaRama Krishna"," Sai
Satwik","Pradeep","Rushikesh","Jyonitha","Sanjay","Riyaz","Goutham","Yatees
h","Aishwarya","Satwik"],
    subject:absent
}
df1=pd.DataFrame(dict1)
print(df1)

```

Output:

```

Thu Jun 16 17:18:32 2022
Enter faculty name:Vijaya Lakshmi
Enter the subject name:DBMS
Enter the absenties roll numbers (1-30):18,22,23,25
['18', '22', '23', '25']

```

	Roll names	Names	DBMS
0	320126552001	Manasa	P
1	2	Harika	P
2	3	Vishal	P
3	4	Lalli sri	P
4	5	Eswar Balaji	P
5	6	Pujitha	P
6	7	Sirisha	P
7	8	Harini	P
8	9	Abhilash	P
9	10	Akhil	P
10	11	Harshitha	P
11	12	Tej Kiran	P
12	13	Anudeep	P
13	14	Prasanna	P

14	15	Shivani	P
15	16	Nithin Joy	P
16	17	Vinay Kunmar	P
17	18	Sai sree	A
18	19	Lohith	P
19	20	SivaRama Krishna	P
20	21	Sai Satwik	P
21	22	Pradeep	A
22	23	Rushikesh	A
23	24	Jyonitha	P
24	25	Sanjay	A
25	26	Riyaz	P
26	27	Goutham	P
27	28	Yateesh	P
28	29	Aishwarya	P
29	30	Satwik	P

Description:The code below represents the absenties of the selected class and the selected faculty.Here the data is updated and displayed using update and display functions .This is a simple code using functions and decision control statements in python.

Source code:

```
faculty={"F1":{"CSM":{},"CSD":{},"CSE":{}}, "F2":{"ECE-A":{},"ECE-B":{},"ECE-C":{}}, "F3":{"IT-A":{},"IT-B":{},"IT-C":{}}}
```

```
def init():
```

```
    for i in faculty.values():
```

```
        for j in i.values():
```

```
            for k in range(1,31):
```

```
                j[f"{k}"]=0
```

```
#Displaying students
```

```
def display(sf,sc):
```

```
    for i,j in faculty[sf][sc].items():
```

```

        print(i,":",j)
def update(sf,sc):
    l=input("Enter absentees seperated by a comma:").split(",")
    for i in range(1,31):
        if str(i) not in l:
            faculty[sf][sc][f"{i}"]+=1
    print("Update succesful")
init()
while(True):
    print("Faculty:",[i for i in faculty.keys()])
    selected_faculty=input("Enter a faculty from the above list:")
    print(f"Classes taken by the faculty: {[i for i in
faculty[selected_faculty].keys()]}")
    while(True):
        selected_class=input("Enter a class from above list:")
        break

    update(selected_faculty,selected_class)
    display(selected_faculty,selected_class)
    print("Exited")
    break

```

Output:

```

Faculty: ['F1', 'F2', 'F3']
Enter a faculty from the above list:F1

```

```
Classes taken by the faculty:['CSM', 'CSD', 'CSE']
Enter a class from above list:CSM
Enter absentees seperated by a comma:2,8,19,22,27,30
Update succesful
1 : 1
2 : 0
3 : 1
4 : 1
5 : 1
6 : 1
7 : 1
8 : 0
9 : 1
10 : 1
11 : 1
12 : 1
13 : 1
14 : 1
15 : 1
16 : 1
17 : 1
18 : 1
19 : 0
20 : 1
21 : 1
22 : 0
23 : 1
24 : 1
25 : 1
26 : 1
27 : 0
28 : 1
29 : 1
30 : 0
Exit
```