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Assignment No-01

Title:-Write a python program to store marks of N students in Fundamental of Data

Structures and calculate:avg.score of the class,highest and lowest score, count

absent students, display marks with highest frequency"""

```python
a=[]
n=input("Enter total number of student in class=")
n=int(n)
for i in range(n):
ele=input("Enter Marks of students=")
ele=int(ele)
a.append(ele)
print("Marks of student are=")
for i in range(n):
print(a[i])
#THISISFORCOUNTINGABSENTSTUDENTS
c=0
for i in range(n):
if(a[i]==-1):
c=c+1
print("Number of absent student=",c)
#THISISFORCALCULATINGAVERAGE
sum=0
for i in range(n):
if(a[i]!=-1):
sum=sum+a[i]
avg=sum/n
print("Avg. score of the class=",avg)
#THISISFORMINIMUMMARKS
min=999
for i in range(n):
```

```python
if(a[i]!=-1 and a[i]<min):
min=a[i]
print("Lowest score=",min)
#THISISFORMAXIMUMMARKS
max=-1
for i in range(n):
if(a[i]!=-1 and a[i]>max):
max=a[i]
print("Highest score=",max)
#TODISPLAYMARKSWITHHIGHESTFREQUENCY
m=0
res=a[0]
for i in a :
freq=a.count(i)
if freq>m:
m=freq
res=i
print("Marks with highest frequency=",res)
"""OUTPUT:
Enter total number of students in class=5
Enter Marks of students=10
Enter Marks of students=20
Enter Marks of students=-1
Enter Marks of students=30
Enter Marks of students=50
Marks of student are=
10
20
-1
30
50
Number of absent student=1
```

Avg.score of the class=22.0

Lowest score=10

Highest score=50

Marks wiAth highest frequency=10"""