********** **ASSIGNMENT NO.1** **********

Write a Python program to store marks scored in subject “Fundamental of Data Structure” by N students in the class. Write functions to compute following:

a) The average score of class

b) Highest score and lowest score of class

c) Count of students who were absent for the test

d) Display mark with highest frequency

**********CODE **********

```
Marks=[]
present=[]
absent=[]
nos=int(input("enter no of students"))
i=0
while(i<nos):
   b=input("enter Marks")
   Marks.append(b)
   i=i+1

j=0
while(j<nos):
   if(Marks[j]=="ab"):
      absent.append(Marks[j])
   else:
      b=int(Marks[j])
```

```
        present.append(b)
    j=j+1


i=0
while(i<len(present)):
    print(present[i])
    i=i+1


def averg():
    total=0
    avg=0
    i=0
    while(i<len(present)):
        total=total+present[i];
        i=i+1
    avg=total/len(present)
    print("total marks of class",total)
    print("average marks of class", avg)


def high():
    highest=0
    i=0
    while(i<len(present)):
        if(highest<present[i]):
            highest=present[i];
```

```
        i=i+1
    print("highest score of class",highest)


def low():
    lowest=999
    i=0
    while (i < len(present)):
        if (lowest > present[i]):
            lowest = present[i];
        i = i + 1
    print("lowest score of class", lowest)


def abs():
    print("no of absent studnet",len(absent))



def frequency():
    hf=0
    for i in range(0,len(present)):
        fr=1
        for j in range(i+1,len(present)):
            if(present[i]==present[j]):
                fr=fr+1
            j=j+1
```

```
        if(fr>hf):
            hf=fr;
            p=present[i]
        i=i+1
    print("highest frequency is",hf,"for marks",p)
averg();
high();
low();
abs();
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