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**Assignment 1:**

**Write a Python program to store marks scored in the 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**

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| """  -----------------------------------------------------  Assignment 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  -----------------------------------------------------  """  # Solution  def read(a, m):  print("Enter the elements of Array:")  for i in range(m):  num = int(input("Enter a number: "))  a.append(num)  def dis(a, m):  print("Entered array elements are as follows: ")  for i in range(m):  print(a[i])  def min\_max(a, m):  min1 = -1  max1 = 101  for i in range(m):  if a[i] >= 0:  if a[i] > min1:  hs = a[i]  min1 = a[i]  if a[i] < max1:  ls = a[i]  max1 = a[i]  print("Lowest number is {}".format(ls))  print("Highest number is {}".format(hs))  def max\_count(a, m):  temp = []  for i in range(101):  temp.append(0)  for i in range(m):  temp[a[i]] = temp[a[i]] + 1  print(temp)  min1 = -1  for i in range(101):  if temp[i] > min1:  # max\_c = temp[i]  min1 = temp[i]  ans = i  print("The Highest count is {}".format(ans))  def avg\_marks(a, m):  \_sum = 0  count = 0  for i in range(m):  if a[i] >= 0:  \_sum = \_sum + a[i]  count = count + 1  avg = \_sum / m  print("Average marks is : {} ".format(avg))  print("Total no. of absent students {}".format(m - count))  def absent(a, m):  absent\_students = m - count  return absent\_students  def main():  a = []  m = int(input("Enter the m: "))  read(a, m)  dis(a, m)  min\_max(a, m)  max\_count(a, m)  avg\_marks(a, m)  if \_\_name\_\_ == "\_\_main\_\_":  main() |