"""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

"""

marklist = [10,27,None,94,20,None,67,20,10,94,20,89,0,90,None,57,28,20,None,90,56]

# n = int(input("Enter Number of students: "))

# # Taking marks as input

# for i in range(n):

# mark = int(input(f"Enter Marks for {i+1} student: "))

# marklist.append(mark)

# print(marklist)

# Calculating Average

total = 0

# Calculate Max and Min

max\_val = marklist[0]

min\_val = marklist[0]

# Counting Absent Student

absent\_student = 0

# Calculating Frequency

freq = {}

for mark in marklist:

if mark == None:

absent\_student += 1

else:

total += mark

if mark < min\_val:

min\_val = mark

if max\_val < mark:

max\_val = mark

if freq.get(mark) == None:

freq[mark] = 1

else:

freq[mark] += 1

print(\_\_doc\_\_)

print(f"a. Average Score of the Class = {total/len(marklist)}")

print(f"b. Highest Score = {max\_val} and Lowest Score = {min\_val}")

print(f"c. Number of Absent Student = {absent\_student}")

highest\_freq = 0

highest\_freq\_mark = 0

for mark in freq:

if freq[mark] > highest\_freq:

highest\_freq = freq[mark]

highest\_freq\_mark = mark

print(f"d. Mark with Highest Frequency = {highest\_freq\_mark}")