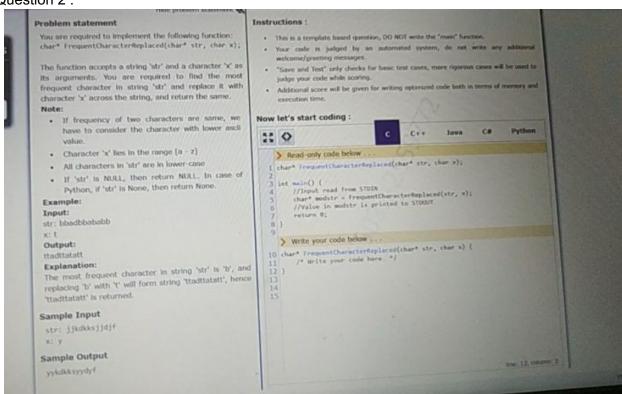


Solution:

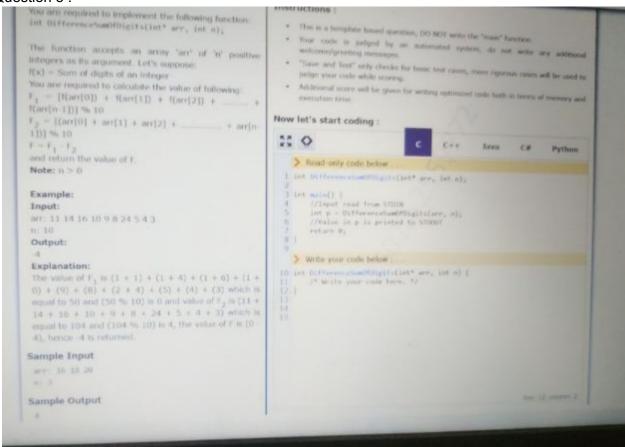
```
def RelativeSpeed(direction, distance1, time1, distance2, time2):
    #Solved by Placement Solutions 2020-2021
      relativespeed = 0
      direction = int(input())
      distance1 = int(input())
     time1 = int(input())
      distance2 = int(input())
     time2 = int(input())
     if (direction==0):
        result = (distance1/time1)+(distance2/time2)
      elif direction==1:
        result = (distance1/time1)-(distance2/time2)
      return result
    result = RelativeSpeed(direction, distance1, time1, distance2, time2)
    print(result)
    1
    50
    60
    3
```

Question 2:



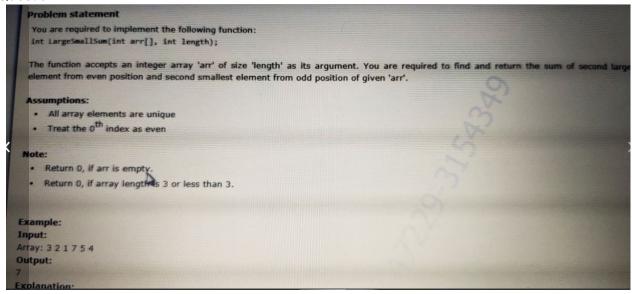
```
def GetChar(myDict, k_max):
           chList = []
for ch, val in myDict.items():
                if(val == k_max):
                    chList.append(ch)
           if(len(chList) == 1):
                return chList.pop()
               aVal = [ord(ch) for ch in chList]
k = aVal.index(min(aVal))
               return chList[k]
      def FrequentCharacterReplaced(myStr, new_ch):
           myDict = {}
           chList = set(myStr)
for letter in chList:
               myDict[letter] = myStr.count(letter)
           k_max = mmx(myDict.values())
           ch = GetChar(myDict, k_max)
           return myStr.replace(ch, new_ch)
      myStr, ch = input().split()
      print(FrequentCharacterReplaced(myStr, ch))
jjkdkksjjdjf y
yykdkksyydyf
```

Question 3:



Solution:

Question 4:



```
Example:
Input:
Array: 3 2 1 7 5 4
Output:
7
Explanation:
2<sup>nd</sup> largest among even positioned elements (3 1 5) is 3
2<sup>nd</sup> smallest among odd positioned elements (2 7 4) is 4
Thus output is 3 + 4 = 7

Sample Input
Array: 1 8 0 2 3 5 6

Sample Output
```

Solution: