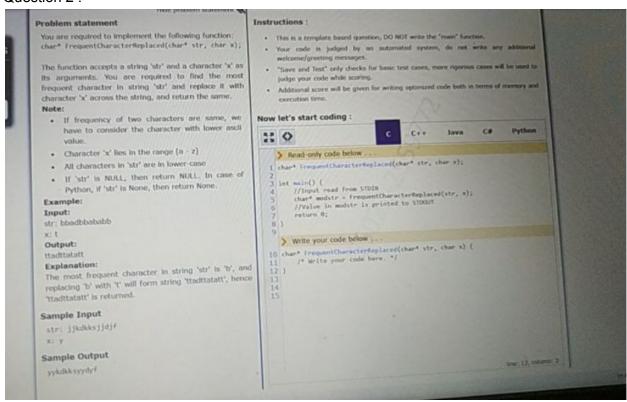


We solve Placement Exams on behalf of candidates. Contact us at : https://t.me/placementsolutions2021

Solution:

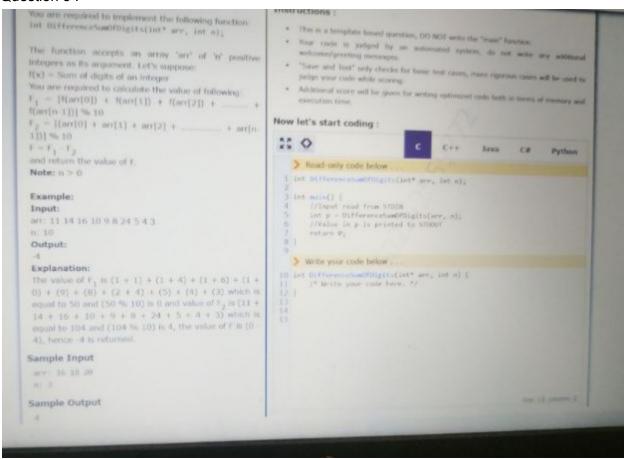
```
def RelativeSpeed(direction, distance1, time1, distance2, time2):
#Solved by Placement Solutions 2020-2021
 relativespeed = 0
 direction = int(input())
 distance1 = int(input())
 time1 = int(input())
 distance2 = int(input())
 time2 = int(input())
 if (direction==0):
   result = (distance1/time1)+(distance2/time2)
 elif direction==1:
   result = (distance1/time1)-(distance2/time2)
 return result
result = RelativeSpeed(direction, distance1, time1, distance2, time2)
print(result)
1
50
2
60
3
5.0
```

Question 2:



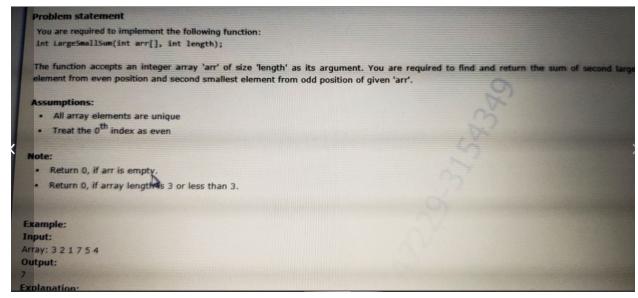
```
GetChar(myDict, k_max):
           chList = []
for ch, val in myDict.items():
                if(val == k_max):
                    chList.append(ch)
            if(len(chList) == 1):
                return chList.pop()
                aVal = [ord(ch) for ch in chList]
                k = aVal.index(min(aVal))
                return chList[k]
       def FrequentCharacterReplaced(myStr, new_ch):
           myDict = {}
chList = se
           chList = set(myStr)
for letter in chList:
           myDict[letter] = myStr.count(letter)
k_max = max(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: