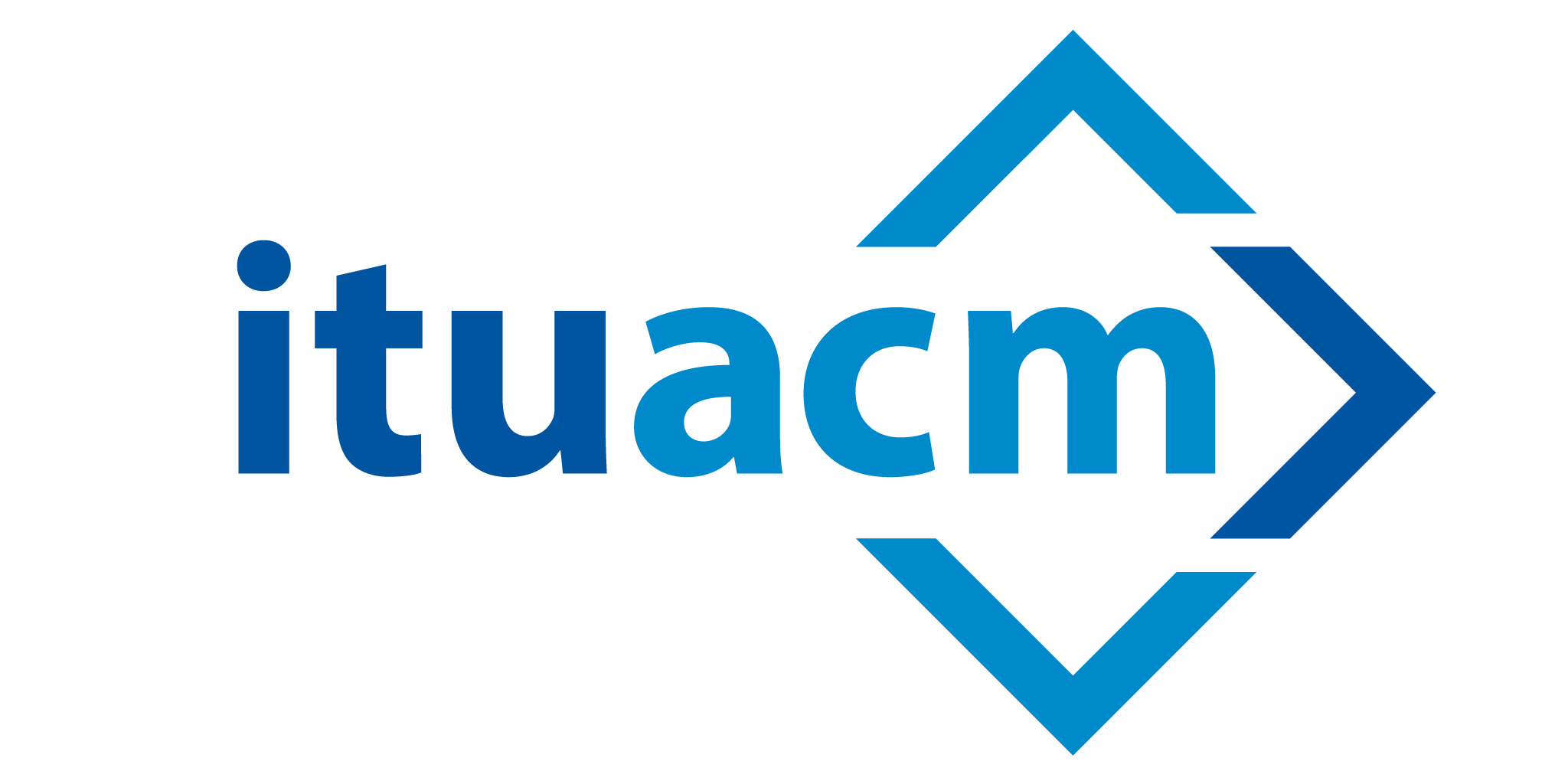
**Introduction To Python**

**Problem Set 2**

# Problem 1

Write a program that prints all the lists that can be created with 4 numbers from user…

| Number 1: 0  Number 2: 1  Number 3: 2  Number 4: 3  [[0,1,2,3],[0,1,3,2],[0,2,1,3],[0,2,3,1],[0,3,1,2],[0,3,2,1],  [1,0,2,3],[1,0,3,2],[1,2,0,3],[1,2,3,0],[1,3,0,2],[1,3,2,0],  [2,0,1,3],[2,0,3,1],[2,1,0,3],[2,1,3,0],[2,3,0,1],[2,3,1,0],  [3,0,1,2],[3,0,2,1],[3,1,0,2],[3,1,2,3],[3,2,0,1],[3,2,1,0]] |
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| #Paste your code here  N1=int(input("Number 1:"))  N2=int(input("Number 2:"))  N3=int(input("Number 3:"))  N4=int(input("Number 4:"))  L1=[N1,N2,N3,N4]  L=[]  for i in L1:  for j in L1:  for k in L1:  for l in L1:  list1=[i,j,k,l]  Set1=set(list1)  if len(Set1)<4 :  continue  else:  L += [list1]  print(L) |
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# Problem 2

Write a program that stores the contestants and scores you get from user in the form of a dictionary. Let the program print the contestant with the highest score. Ask the user how many contestants there are.

Note: Assume that all scores are different.

| How many contestants: 3  Harry  5.71  Tina  6  Harsh  3.5  Highest score: Tina |
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Stored Dictionary = {“Harry”:5.71 , “Tina”:6 , “Harsh”:3.5}

| #Paste your code here  n=int(input("Kaç yarışmacı var?"))  a = {}  score\_list = []  for i in range(n):  name=input("{}. yarışmacının adı: ".format(i+1))  score=int((input("{}. yarışmacının puanı: ".format(i+1))))  a[name]=score  score\_list.append(score)  score\_list.sort()  for i in a:  if a[i] == score\_list[-1]:  print(f"En yüksek puanlı yarışmacı: {i}") |
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# Problem 3

Assume s is a string of lower case characters.

Write a program that prints the longest substring of s in which the letters occur in alphabetical order.

For example, if s = 'azcbobobegghakl', then your program should print:

| Longest substring in alphabetical order is: beggh |
| --- |

# In the case of ties, print the first substring. For example, if s = 'abcbcd', then your program should print:

| Longest substring in alphabetical order is: abc |
| --- |

# 

| #Paste your code here  alphabet = 'abcdefghijklmnopqrstuvwxyz'  count = 0  list = []  kelime = ""  s = "asdasdfbbeeeghh"  for index, letter in enumerate(s):  if index < len(s):  harf\_bir = alphabet.index(s[index-1])  harf\_iki = alphabet.index(s[index])  if harf\_bir <= harf\_iki:  kelime = kelime + letter  elif harf\_bir > harf\_iki:  list.append(kelime)  kelime = ""  kelime = kelime + letter  list.append(kelime)  liste2 = []  for i in list:  liste2.append(len(i))  liste2.sort(reverse = True)  uzunluk = liste2[0]  for i in list:  if len(i) >= int(uzunluk):  print(i)  break |
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