

Mid Term Assignment

Note: Attempting all question

Q1:

5 Marks

Print IQRA using 16-bit unicode (Hint: Escape Character)

Hex values

I=0049

Q=0051

R=0052

A=0041

Q2:

5 Marks

Suppose you have a string “Iqra National University” stored in a variable a. Write a program that

- Converts the string into a List
- Insert an Element “Peshawar” at the end
- Sort the list
- Prints Abbreviation of the first 3 Elements and pthe 4rth Element complete each separated by a dot.

Output should be ***I.N.U.Peshawar***

Note: You cannot use another variable

Q3:

5 Marks

Suppose You have a list

$a = [[4, 5, 9], [1, 5, 3], [0, 8, 12], [3, 1, 9]]$

Write a program that finds the list whose sum of elements is highest

Q4:

5 Marks

Write a program that inputs a Student ID 5 times and determines how many Student ID's are valid. For the purpose of this question a valid Student ID is defined as follows:

- exactly 6 characters long
- begins with the uppercase characters 'INU'
- all characters beside the beginning 'INU' character must be numbers

Q5:

10 Marks

Write a program that takes a string from the user and then print a new string by changing lowercase letters to uppercase letters and uppercase letters to lowercase letters. **[Hint: Import String Class]**

```
string:  
sTAy hoME STAY safe
```

Result:
StaY H0me stay SAFE