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Subject	**:**	**Modren Programing**
Program	**:**	**Bs(CS)**
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Question Nomber (1)

Print IQRA using 16-bit Unicode (Hints: escape Charter) Hex value?

I=0049

Q=0051

R=0052

A=0041

SOL:-

Word = IQRA

a = ('\u0049','\u0051','\u0052','\u0041')

print (a)

Question number(2)

Suppose you have a string "Iqra National university"sorted in a variable a.write a program that

- Convert the string into a list
- Insert an element "Peshawar" at the end
- Sort the list
- Prints the abrivation of the first 3 element and p the 4^{rth} element complet each separated by a dot.

SOL:-
a = (Iqra National University)
str.split("a")
a= ("Peshawar")
Ist.append (a)
Print (Ist)
a =(Iqra National University)
a.sort (reverse=true)
print (a)
a = ("I.N.U Peshawar")
print (a)

Question number(3)

Suppose you have alist

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

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

   SOL:-

List = [4,5,9]

highest = list [0]

For i in range (0.lin(list),1):

highest = max (highest, list [i])

Print = (highest)

   Output = 9

List = [1,5,3]

Highest = list [0]

For i in range (0.lin (list),1):

highest = max (highest, list [i])

print = (hishest)

output = 5

```
List = [0,8,12]

highest = list [0]

For i  in range (0.lin (list),1):

highest = max (highest, list [i])

print = (highest)
```

output =12

```
list = [3,1,9]

highest = list [0]

For i in range (0.lin (list),1):

highest = max (highest, list [i])

print = (highest)
```

output = 9

```
list = [4,5,9,1,5,3,0,8,12,3,1,9]

highest = list [0]

For i  in range (0.lin (list),1):

highest = max (highest, list [i])

print = (highest)
```

output = 12

Question number(5)

Write a program that takes a string from the user and then print a new print a new string by changing lowercase letters to uppercase letters and uppercase letters to lowercase letters

[Hints:import String class]

SOL:-

```
Word = input #"sTAy hOme STAY safe"

Word1 ="

For i in word:

If  (i.isupper () ) == true:

Word1+=(i.lower() )

elif (i.islower() )== true:

Word1+=(i.upper() )

elif (i.isspace() )==true:

Word1+=i

Print (word1)
```