

ASSIGNMENT-4

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Q)

Assignment 4

Nested if

Q) Write a program to read 3 numbers & print them in ascending order.

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Enter first number : 5
Enter second number : 9
Enter third number : 2
Numbers in ascending order : 2 5 9
===== RESTART =====
Enter first number : 9
Enter second number : 90
Enter third number : 19
Numbers in ascending order : 1 9 9

Q) Write a program to print whether a given character is an upper case / lower case character or a digit. If not then just print 'any other character'

Enter a character : 5
You entered a digit.
===== RESTART =====
Enter a character : a
You entered a lower case character.
===== RESTART =====
Enter a character : H
You entered an upper case character.
===== RESTART =====

Q1)

CODE:

```
a=int(input("Enter first number:"))
b=int(input("Enter second number:"))
c=int(input("Enter third number:"))
s=""
if(a<=b and a<=c):
    s=s+(str)(a)+" "
    if(b<=c):
        s=s+(str)(b)+" "+(str)(c)
    else:
        s=s+(str)(c)+" "+(str)(b)
elif(b<=a and b<=c):
    s=s+(str)(b)
    if(a<=c):
        s=s+(str)(a)+" "+(str)(c)
    else:
        s=s+(str)(c)+" "+(str)(a)
elif(c<=a and c<=b):
    s=s+(str)(c)+" "
    if(a<=b):
        s=s+(str)(a)+" "+(str)(b)
    else:
        s=s+(str)(b)+" "+(str)(a)
print(s)
```

Sample output:

1) Enter first number:9
 Enter second number:90
 Enter third number:19
 9 19 90

2) Enter first number:12

 Enter second number:12
 Enter third number:12
 12 12 12

3) Enter first number:5

 Enter second number:9
 Enter third number:2
 2 5 9

Q2)

CODE :

```
c=(input("Enter any character:"))

if(c.isupper() and len(c)==1):
    print("You enetered an upper case character")
elif(c.islower() and len(c)==1):
    print("You have entered a lower case character")
elif(c.isdigit() and len(c)==1):
    print("You have entered a digit")
else:
    print("Any other character")
```

Sample output:

- 1) Enter any character:a
 You have entered a lower case character

- 2) Enter any character:A
 You enetered an upper case character

- 3) Enter any character:1
 You have entered a digit

- 4) Enter any character:abc
 Any other character