

## ASSIGNMENT 2

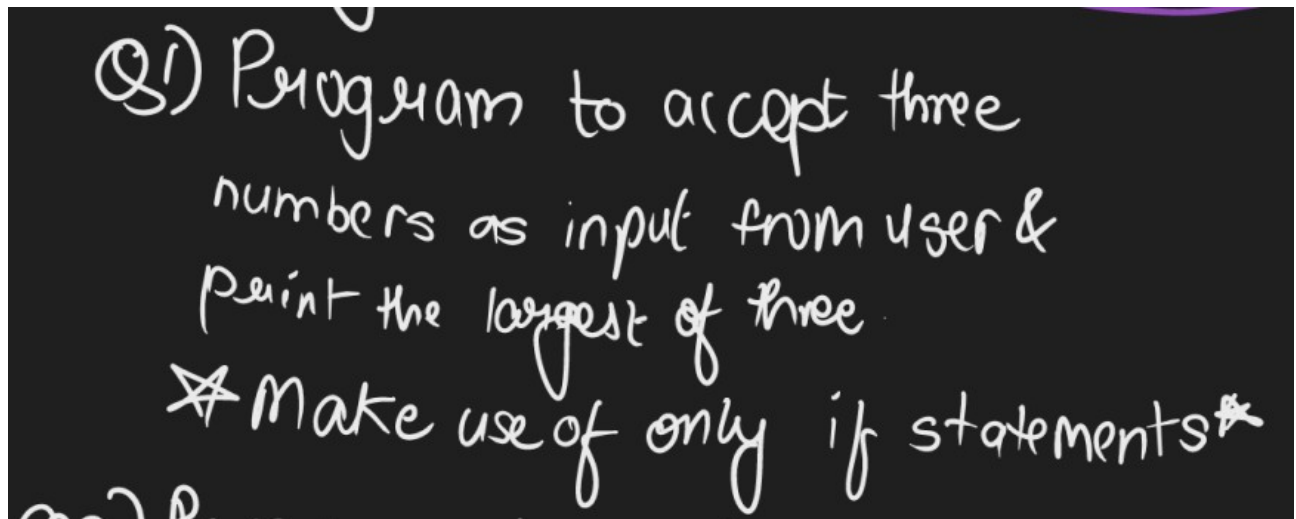
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**Course name:** Python AI ML

**Date:** 30-05-2022

### QUESTION 1



### CODE

```
a=int(input("enter first number:"))
b=int(input("enter second number:"))
c=int(input("enter third number:"))
if(a>b and a>c):
    print(a,"is largest number")
if(b>a and b>c):
    print(b,"is largest number")
if(c>a and c>b):
    print(c,"is largest number")
```

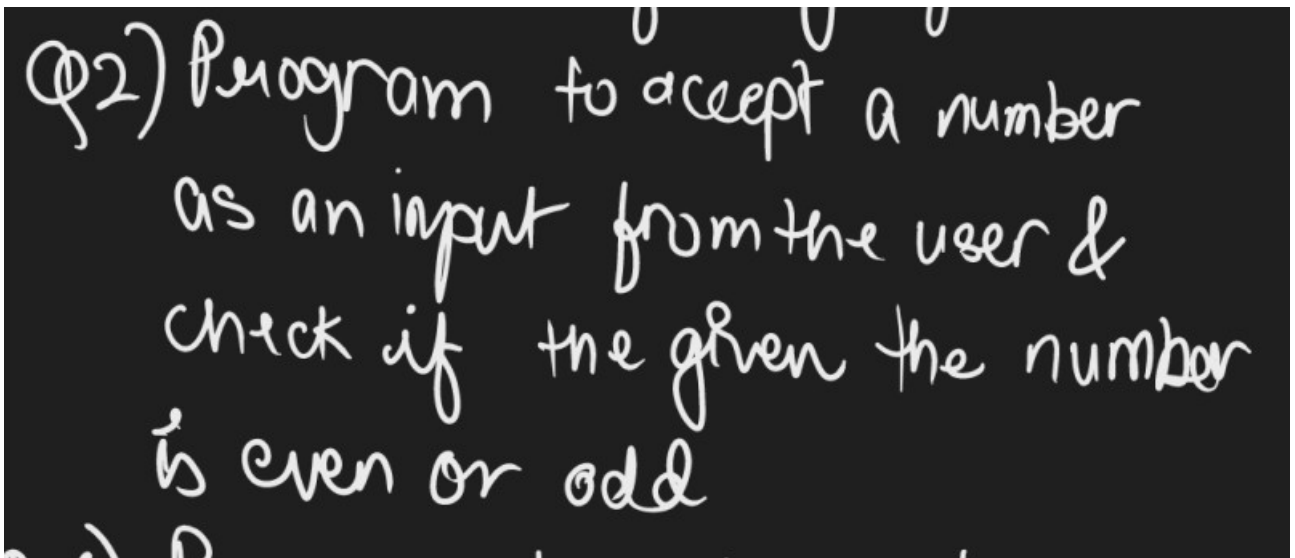
### OUTPUT

```
[3]: a=int(input("enter first number:"))
      b=int(input("enter second number:"))
      c=int(input("enter third number:"))
      if(a>b and a>c):
          print(a,"is largest number")
      if(b>a and b>c):
          print(b,"is largest number")
      if(c>a and c>b):
          print(c,"is largest number")
```

```
enter first number:1
enter second number:67
enter third number:3
67 is largest number
```

```
[ ]:
```

## QUESTION 2



Q2) Program to accept a number as an input from the user & check if the given the number is even or odd

### CODE

```
num=int(input("enter a number:"))
if(num%2==0):
    print(num,"is even number")
else:
    print(num,"is odd number")
```

### OUTPUT

```
] : num=int(input("enter a number:"))  
    if(num%2==0):  
        print(num,"is even number")  
    else:  
        print(num,"is odd number")
```

```
enter a number:23  
23 is odd number
```

---

```
] : num=int(input("enter a number:"))  
    if(num%2==0):  
        print(num,"is even number")  
    else:  
        print(num,"is odd number")
```

```
enter a number:3456  
3456 is even number
```

### QUESTION 3

is even or odd  
Q5) Program that inputs three numbers & calculates the following:

- ① Sum of all input numbers
- ② Sum of only non duplicate numbers; if there are duplicate numbers in input then ignore them

eg:

Input			Answer	
a	b	c	①	②
2	3	4	9	9
3	2	3	8	2
4	4	4	12	0

## CODE

```
num1=int(input("enter first number:"))
num2=int(input("enter second number:"))
num3=int(input("enter third number:"))
sum1=num1+num2+num3
print("sum of all three numbers is",sum1)
sum2=0
if num1!=num2 and num1!=num3:
    sum2=sum2+num1
if num2!=num1 and num2!=num3:
    sum2=sum2+num2
if num3!=num1 and num3!=num2:
    sum2=sum2+num3
print("sum of non duplicate numbers are",sum2)
```

## OUTPUT:

```
: num1=int(input("enter first number:"))
num2=int(input("enter second number:"))
num3=int(input("enter third number:"))
sum1=num1+num2+num3
print("sum of all three numbers is",sum1)
sum2=0
if num1!=num2 and num1!=num3:
    sum2=sum2+num1
if num2!=num1 and num2!=num3:
    sum2=sum2+num2
if num3!=num1 and num3!=num2:
    sum2=sum2+num3
print("sum of non duplicate numbers are",sum2)
```

```
enter first number:2
enter second number:3
enter third number:4
sum of all three numbers is 9
sum of non duplicate numbers are 9
```

```

: num1=int(input("enter first number:"))
  num2=int(input("enter second number:"))
  num3=int(input("enter third number:"))
  sum1=num1+num2+num3
  print("sum of all three numbers is",sum1)
  sum2=0
  if num1!=num2 and num1!=num3:
      sum2=sum2+num1
  if num2!=num1 and num2!=num3:
      sum2=sum2+num2
  if num3!=num1 and num3!=num2:
      sum2=sum2+num3
  print("sum of non duplicate numbers are",sum2)

```

```

enter first number:3
enter second number:2
enter third number:3
sum of all three numbers is 8
sum of non duplicate numbers are 2

```

```

: num1=int(input("enter first number:"))
  num2=int(input("enter second number:"))
  num3=int(input("enter third number:"))
  sum1=num1+num2+num3
  print("sum of all three numbers is",sum1)
  sum2=0
  if num1!=num2 and num1!=num3:
      sum2=sum2+num1
  if num2!=num1 and num2!=num3:
      sum2=sum2+num2
  if num3!=num1 and num3!=num2:
      sum2=sum2+num3
  print("sum of non duplicate numbers are",sum2)

```

```

enter first number:4
enter second number:4
enter third number:4
sum of all three numbers is 12
sum of non duplicate numbers are 0

```

---

## QUESTION 4

Q4) Program to test divisibility  
a number from another  
number

eg:

```
Enter first number : 119
Enter second number : 3
119.0 is not divisible by 3.0
=====
Enter first number : 119
Enter second number : 17
119.0 is divisible by 17.0
=====
Enter first number : 1234.30
Enter second number : 5.5
1234.3 is not divisible by 5.5
```

## CODE

```
n1=float(input("enter first number:"))
n2=float(input("enter second number:"))
if(n1%n2==0):
    print("{} is divisible by {}".format(n1,n2))
else:
    print("{} is not divisible by {}".format(n1,n2))
```

## OUTPUT

```
n1=float(input("enter first number:"))
n2=float(input("enter second number:"))
if(n1%n2==0):
    print("{} is divisible by {}".format(n1,n2))
else:
    print("{} is not divisible by {}".format(n1,n2))
```

```
enter first number:23
enter second number:3
23.0 is not divisible by 3.0
```

---

```
n1=float(input("enter first number:"))
n2=float(input("enter second number:"))
if(n1%n2==0):
    print("{} is divisible by {}".format(n1,n2))
else:
    print("{} is not divisible by {}".format(n1,n2))
```

```
enter first number:235
enter second number:5
235.0 is divisible by 5.0
```

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