

ASSIGNMENT MODULE 02

1)Take two inputs from the user and check whether they are equal or not

```
a=int(input("enter a value"))
b=int(input("enter b value"))
if(a==b):
    print("a and b are equal")
else:
    print("a and b are not equal")
```

Output:

1.enter a value 3

enter b value 3

a and b are equal

2.enter a value 4

enter b value8

a and b are not equal

2)Take three inputs from user and check:

All are equal

Any of two or equal(use and or)

```
a=int(input("Enter the value of a"))
```

```
b=int(input("Enter the value of b"))
```

```
c=int(input("Enter the value of c"))
```

```
if a==b and a==c:
```

```
    print("all are equal")
```

```
elif a==b:
```

```
    print("a and b are equal")
```

```
elif b==c:
```

```
    print("b and c are equal")
```

```
elif c==a:
```

```
    print("c and a are equal")
else:
    print("all are different values")
```

Output:

Enter the value of a 3

Enter the value of b 3

Enter the value of c 5

a and b are equal

3)Take two number and check whether the sum is greater tha 5,less than 5, or equal to 5

```
a=float(input("enter the value of a"))
```

```
b=float(input("enter the value of b"))
```

```
if (a+b)>5:
```

```
    print("The sum of a and b is greater than 5")
```

```
elif (a+b)<5:
```

```
    print("The sum of a and b is less than 5")
```

```
else:
```

```
    print("the sum is equal to 5")
```

Output:

enter the value of a 3

enter the value of b 4

The sum of a and b is greater than 5

4)Suppose passing marks of a subject is 35. Take input of marks from user and check whether it is greater than passing marks or not.

```
a=float(input("Enter the marks of the student"))
```

```
if a>=35:
```

```
    print("the student passed the exam with marks ",a)
```

```
else:
```

```
print("the student failed the exam with marks ",a)
```

Output:

Enter the marks of the student 32

the student failed the exam with marks 32.0

5)Write a python function to find maximum of two numbers

```
a=float(input("Enter the value of a"))
```

```
b=float(input("Enter the value of b"))
```

```
c=float(input("Enter the value of c"))
```

```
if a>b and a>c:
```

```
    print(a,"is greater than",b,c)
```

```
elif b>a and b>c:
```

```
    print(b,"is greater than",a,c)
```

```
else:
```

```
    print(c,"is greater than",a,b)
```

Output:

Enter the value of a 3

Enter the value of b 4

Enter the value of c 5

5.0 is greater than 3.0 and 4.0