

## Module - 2

### if else elif Statements

== : equal to  
< : less than  
> : greater than  
<= : less than equal to  
>= : greater than equal to  
!= : not equal to  
>< : not equal to  
and  
or  
in : checking

In [1]: `2 == 2`

Out[1]: True

In [2]: `2 != 2`

Out[2]: False

In [3]: `2 < 3`

Out[3]: True

In [4]: `3 > 5`

Out[4]: False

In [5]: `2 < 3 < 5`

Out[5]: True

In [6]: `2 < 3 and 3 > 5`

Out[6]: False

**write simple program to find which number is greater**

```
'''if condition{ ... ..  
}'''
```

```
In [10]: a = int(input('Enter the value of a: '))
b = int(input('Enter the value of b: '))
if a > b:
    print('{} is greater than {}'.format(a,b))
else:
    print('{} is greater than {}'.format(b,a))
```

Enter the value of a: 8  
Enter the value of b: 6  
8 is greater than 6

```
In [12]: a = int(input('Enter the value of a: '))

if a % 2 == 0:
    print('{} is even number'.format(a))
else:
    print('{} is odd number'.format(a))
```

Enter the value of a: 5  
5 is odd number

**Create a dictionary with keys which are username and values with their password and name with credits**

```
eg: {'Srikanth': 'sri123', 'Raghuram': 'rag123', 'Ramya': 'ram123',
     'Akshay': 'aks123', 'Chandrashekar': 'cha123', 'Padma': 'pad123'}
```

*Ask user to enter his username and password*

- if username and password matches with credits then print welcome

```
eg: > username: srikanth and password: sri123
```

'Hello Srikanth welcome to Python programming'

Either username or password is wrong

```
In [13]: credits = {'Srikanth': 'sri123', 'Raghuram': 'rag123', 'Ramya': 'ram123',
                   'Avinash': 'avi123'}
```

```
In [31]: username = input('Enter your username: ')
password = input('Enter you password: ')
# check username is in the list
if username in credits.keys() : # checking in dictionary

    if credits[username] == password:
        print('Hello {}, welcome to Python programming '.format(username))

    else:
        print('Either username or password mismatched')

else:
    print('Either username or password mismatched')
```

```
Enter your username: dfd
Enter you password: dfd
Either username or password mismatched
```

In [ ]:

