# Input statement

```
In [1]: inp=input()
    Hi! how are you?

In [2]: print(inp)
    Hi! how are you?

In [3]: i=input("Enter your Name:\n")
    print(i)
    Enter your Name:
    XYZ
    XYZ
    XYZ
    In [2]: x,y= input("Enter two numbers").split(',')
    print(x,y)
    Enter two numbers2,5
    2 5
In []:
```

# range Datataype

```
In [8]: r = range(10)
    print(r)
    range(0, 10)

In [9]: r = range(30,40,2)
    print(r)
    range(30, 40, 2)
```

# **Control Structures**

## the if statement

#### if-else

```
In [5]: x= int (input("enter a number : "))
if x%2== 0:
    print(x,"is even")
else:
    print(x, " is odd")

enter a number : 5
5 is odd
```

### while

### \*For Loops

```
In [1]: | fruits = ["apple", "banana", "cherry"]
          for x in fruits:
           print(x)
          apple
          banana
          cherry
In [11]: lst=[10,50,4,5,9,8,3]
         for i in lst:
              print(i)
          10
          50
          4
          5
          9
          8
          3
```

### Creating list using for loop

#### Exercise

3. Generate the nested list of 3 students(name,roll no) and dispaly information using for loop

```
In [16]: n= int(input("Enter n: "))
         s_list=[]
         for i in range(n):
             s=input("Enter name,rollno: ").split(',')
             s list.append(s)
         print(s_list)
         for students in s list:
             for field in students:
                  print(field,end=" ")
             print()
         Enter n: 3
         Enter name, rollno: a,1
         Enter name, rollno: b,2
         Enter name,rollno: c,3
         [['a', '1'], ['b', '2'], ['c', '3']]
         a 1 b 2 c 3
```