LIST

```
In [1]:  list = [10,20,40,30,50]
```

Using For Loop

```
In [2]:  for item in list:
             print(item)

         10
         20
         40
         30
         50
```

Using loop and range

```
In [3]:  length = len(list)
         newRange = range(length)

         for item in newRange:
             print(list[item])

         10
         20
         40
         30
         50
```

Using while loop

```
In [4]:  i = 0
         while i < len(list):
             print(list[i])
             i+= 1

         10
         20
         40
         30
         50
```

Using list comprehension

```
In [5]:  [print(item) for item in list]

         10
         20
         40
         30
         50
Out[5]:  [None, None, None, None, None]
```

Dictionary

```
In [9]:  newDict = {
             'Shaukat' : 'Kulgam',
             'Zaid' : 'Srinagar',
             'Vejinder' : 'Pulwama'
         }
```

Accessing keys using build.keys()

```
In [7]:  keys = newDict.keys()
         print(keys)

         dict_keys(['Shaukat', 'Zaid', 'Vejinder'])
```

Accessing keys without using keys()

```
In [10]:  for name in newDict:
              print(name)

          Shaukat
          Zaid
          Vejinder
```

Iterate through all values using .values()

```
In [11]:  for state in newDict.values():
              print(state)

          Kulgam
          Srinagar
          Pulwama
```

Iterate through all key and value paris using items()

```
In [12]:  for name,state in newDict.items():
              print(name, " = ", state)

          Shaukat  =  Kulgam
          Zaid  =  Srinagar
          Vejinder  =  Pulwama
```

Accessing both keys and values without using items()

```
In [14]:  for name in newDict:
              print(name, ' = ', newDict[name])

          Shaukat  =  Kulgam
          Zaid  =  Srinagar
          Vejinder  =  Pulwama
```

Print items in key-value in pair

```
In [15]:  keys = newDict.items()
          print(keys)

          dict_items([('Shaukat', 'Kulgam'), ('Zaid', 'Srinagar'), ('Vejinder', 'Pulwama')])
```