# ....python program using basic operations....

## task 1

*using basic operations like:*

1. *adding*
2. *removing*
3. *modifying*

*we can also include sorting,count,copy,reverse etc*

## A)Create a list

In [3]:
```python
#list
fruits = ['apple', 'banana', 'orange']
print( fruits)
```

```
['apple', 'banana', 'orange']
```

In [4]:
```python
#add element
fruits.append('cherry')
print(fruits)
```

```
['apple', 'banana', 'orange', 'cherry']
```

In [5]:
```python
#remove element
fruits.remove('banana')
print(fruits)
```

```
['apple', 'orange', 'cherry']
```

In [6]:
```python
#modify element
for fruit in fruits:
    print(fruit)
```

```
apple
orange
cherry
```

```
In [7]:  #length
         print(len(fruits))

         3
```

## B)make a dictionary

```
In [8]:  #introduce
         Bio ={'Name' : 'Sreevalli', 'Age' : '20', 'Nationality' : 'Indian'}
         print(Bio)

         {'Name': 'Sreevalli', 'Age': '20', 'Nationality': 'Indian'}
```

```
In [9]:  type(Bio)

Out[9]:  dict
```

```
In [10]:  #add
          Bio['course'] = ['Computer science']
          print(Bio)

          {'Name': 'Sreevalli', 'Age': '20', 'Nationality': 'Indian', 'course': ['Compu
          ter science']}
```

```
In [11]:  #remove
          del Bio['Age']
          print(Bio)

          {'Name': 'Sreevalli', 'Nationality': 'Indian', 'course': ['Computer scienc
          e']}
```

```
In [12]:  #modify
          overall = {'btech':90.0}
          Bio.update(overall)
          print(Bio)

          {'Name': 'Sreevalli', 'Nationality': 'Indian', 'course': ['Computer scienc
          e'], 'btech': 90.0}
```

## C)prepare set

```
In [13]:  #numbers
          prime = {2, 3, 5, 7}
          print(prime)

          {2, 3, 5, 7}
```

In [14]: 
```python
#adding
prime.add(11)
print(prime)
```

{2, 3, 5, 7, 11}

In [15]: 
```python
#remove
prime.remove(2)
print(prime)
```

{3, 5, 7, 11}

In [16]: 
```python
#modifying
com = {2,4,6,8,9,10}
prime.update(com)
print(prime)
```

{2, 3, 4, 5, 6, 7, 8, 9, 10, 11}

## DONE BY:

**Name : K.K.Sreevalli**

**Domain : Data science for python**