# Task-1

Write a python program to create a list a dictionary and a set.perform the basic operation like adding , removing ,modifying element

## List operation

```python
#Create a list

list=['apple','banana','orange','mango','kiwi','watermelon','lemon']

#adding fruits in given list
list.append('strawberry')
print("after adding the element in list",list)

after adding the element in list ['apple', 'banana', 'orange',
'mango', 'kiwi', 'watermelon', 'lemon', 'strawberry']

#removing fruits in given list
list.remove('kiwi')
print("after removing fruit in list",list)

after removing fruit in list ['apple', 'banana', 'orange', 'mango',
'watermelon', 'lemon', 'strawberry']

#modifying the given list
list[5]='kiwi'    #replacing the given fruit with already existing
print("after modifying the list",list)

after modifying the list ['apple', 'banana', 'orange', 'mango',
'watermelon', 'kiwi', 'strawberry']
```

## Set operation

```python
# creat a set
set={"apple","banana","orange","mango","kiwi","watermelon","blackberry"}

print(set)

{'orange', 'banana', 'watermelon', 'blackberry', 'mango', 'kiwi',
'apple'}

#adding fruits in given set
set.add("strabarry")
print("after adding the element",set)

after adding the element {'banana', 'starbarry', 'blackberry', 'kiwi',
'watermelon', 'mango', 'orange', 'strabarry'}
```

```python
#remove the element from set
set.remove("apple")
print("after removing the element"set)
```
```
{'orange', 'banana', 'starbarry', 'watermelon', 'blackberry', 'mango',
'kiwi'}
```

## Dictionary

```python
#create the dictionary
dict={
    "company name":"tata",
    "model": "currve",
    "engine type":"v type",
    "fuel type":"petrol engine"
}
```
```python
dict
```
```
{'company name': 'tata',
 'model': 'currve',
 'engine type': 'v type',
 'fuel type': 'petrol engine'}
```
```python
#adding element in given dictionary
dict["engine fuel capacity"]="1.5 liter"
print("after adding the element in dictionary",dict)
```
```
after adding the element in dictionary {'company name': 'tata',
'model': 'currve', 'engine type': 'v type', 'fuel type': 'petrol
engine', 'engine fuel capacity': '1.5 liter'}
```
```python
#removing the element in dictionary
del dict["engine type"]
print("after removing the element in dictionary",dict)
```
```
after removing the element in dictionary {'company name': 'tata',
'model': 'currve', 'fuel type': 'petrol engine', 'engine fuel
capacity': '1.5 liter'}
```
```python
#modifying the given dictionary

dict["different model"]=["ev petrol diesel"]
print("after modifying the dictionary",dict)
```
```
after modifying the dictionary {'company name': 'tata', 'model':
'currve', 'fuel type': 'petrol engine', 'engine fuel capacity': '1.5
liter', 'different model': ['ev petrol diesel']}
```