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Code

```
In [1]:  #creating list
         l=[1,'neeraja','female',18]

         #adding an element
         l.append(6)

         #removing an element from list
         l.remove('neeraja')

         #modifying of an element in list
         l[0]=10

         #printing of new list l
         print("new list l:",l)

new list l: [10, 'female', 18, 6]
```

```
In [2]:  #creating a dictionary
         dict={'name':'neeraja', 'age':19, 'study':'btech'}

         #adding
         dict["gender"] = 'female'

         #removing
         del dict["age"]

         #modifying
```

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new dictionary: {'name': 'neeraja', 'study': 'engineering', 'gender': 'female'}

In [3]: set={1,2,3,4,5,6}

#adding an element
set.add(6)

#removing of element
set.remove(5)

#modifying
set.discard(2)
set.add(10)

#printing new list
print("new set:",set)

new set: {1, 3, 4, 6, 10}

In [ ]:

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new list 1: [10, 'female', 18, 6]

In [2]:
```python
#creating a dictionary
dict={'name':'neeraja' , 'age':19 , 'study':'btech'}

#adding
dict["gender"] = 'female'

#removing
del dict["age"]

#modifying
dict['study'] = 'engineering'

#printing of new dictionary
print("new dictionary:",dict)
```

new dictionary: {'name' : 'neeraja', 'study': 'engineering', 'gender': 'female'}

In [3]:
```python
set={1,2,3,4,5,6}

#adding an element
set.add(6)

#removing of element
set.remove(5)

#modifying
```