Assignment - 04 - 191109010

Question No.01

```
In [62]: stulist = ['Ram', 'Chennai', 2017]
    newlist = stulist+['CS']
    print (stulist)
    print (newlist)

['Ram', 'Chennai', 2017]
    ['Ram', 'Chennai', 2017, 'CS']
```

Question No.02

```
In [63]:
         stulist = ['Ram', 'Chennai', 2017]
         print ("print (stulist[0]) : ",stulist[0])
         print ("print (stulist[:3]) : ",stulist[:3])
         print ("print (stulist[1:]) : ",stulist[1:])
         print ("print (stulist[1:1]) : ",stulist[1:1])
         print ("print (stulist[5:2]) : ",stulist[5:2])
         print ("print (stulist[:]) : ",stulist[:])
         print ("print (stulist[-2:]) : ",stulist[-2:])
         print ("print (stulist[:-2]) : ",stulist[:-2])
         print ("print (stulist[1:3]) : ",stulist[1:3])
         print (stulist[0])
                                 Ram
         print (stulist[:3])
                             : ['Ram', 'Chennai', 2017]
         print (stulist[1:])
                            : ['Chennai', 2017]
         print (stulist[1:1]) : []
         print (stulist[5:2]) : []
         print (stulist[:]) : ['Ram', 'Chennai', 2017]
         print (stulist[-2:]) : ['Chennai', 2017]
         print (stulist[:-2]) : ['Ram']
         print (stulist[1:3]) : ['Chennai', 2017]
```

Question No.03

```
In [64]: stulist = ['Ram', 'Chennai', 2017]
stulist.append('CS')
print ('After Appending')
print (stulist)

After Appending
['Ram', 'Chennai', 2017, 'CS']
```

Question No.04

```
In [71]: stulist = ['Ram', 'Chennai', 2017]
    dept = ['CS']
    print ("Before Extend : ",stulist)
    stulist.extend(dept)
    print ("After Extend : ",stulist)

Before Extend : ['Ram', 'Chennai', 2017]
    After Extend : ['Ram', 'Chennai', 2017, 'CS']
```

Question No.05

```
In [66]: stulist = ['Ram', 'Chennai', 2017]
    print ('Index of Ram : ',stulist.index('Ram'))
    print ('Index of Chennai : ',stulist.index('Chennai'))
    print ('Index of 2017 : ',stulist.index(2017))

Index of Ram : 0
    Index of Chennai : 1
    Index of 2017 : 2
```

Question No.06 Insert

```
In [70]: stulist = ['Ram', 'Chennai', 2017]
    print ('Before insert : ',stulist)
    stulist.insert(1,'CSE')
    print ('After insert : ',stulist)

Before insert : ['Ram', 'Chennai', 2017]
    After insert : ['Ram', 'CSE', 'Chennai', 2017]
```

Question No.07 Pop

Question No.08 Pop(index)

Question No.09 Remove

Question No.10 Reverse

```
In [50]: stulist = ['Ram', 'Chennai', 2017,'CSE',92.7]
    print('Initial list is : ',stulist)
    stulist.reverse()
    print('After reversing, the list : ',stulist)

Initial list is : ['Ram', 'Chennai', 2017, 'CSE', 92.7]
    After reversing, the list : [92.7, 'CSE', 2017, 'Chennai', 'Ram']
```

Question No.11 Sort

Question No.12 Mutability

```
In [53]: stulist = ['Ram', 'Chennai', 2017]
    print('Befor mutation : ',stulist)
    stulist[0]='Priya'
    print('After mutation : ',stulist)
Befor mutation : ['Ram', 'Chennai', 2017]
```

Question No.13 Tuples

After mutation : ['Priya', 'Chennai', 2017]

Question No.14 Nested Index