

```
In [110]: 1  ## task -9,,,,,list functions or methods
          2  |
          3  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          4  l.append('saturn')
          5  print(l)

[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99, 'saturn']
```

```
In [107]: 1  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          2  l.append(['saturn'])
          3  print(l)
```

```
Out[107]: [24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99, ['saturn']]
```

```
In [109]: 1  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          2  l.extend('saturn')
          3  print(l)

[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99, 's', 'a', 't', 'u', 'r', 'n']
```

```
In [84]: 1  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          2  l.extend(['saturn'])
          3  print(l)

[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99, 'saturn']
```

```
In [96]: 1  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          2  m=l.copy()
          3  l.append(12)
          4  print(m)

[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99]
```

```
In [103]: 1  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          2  l.clear()
          3  print(l)

[]
```

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In [111]: 1  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          2  print(l.count(36))

1
```

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In [118]: 1  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
          2  print(l.index(14))
```

```

1 l=[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99]
2 print(l.count(36))

```

1

In [118]:

```

1 l=[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99]
2 print(l.index(14))

```

5

In [116]:

```

1 l=[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99]
2 l.insert(1, 'hello')
3 print(l)
4 l.insert(-3, 'bye')
5 print(l)

```

[24, 'hello', 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99]  
 [24, 'hello', 'mars', 36, 19, 'moon', 14, 'sun', 'bye', 44, 66, 99]

In [147]:

```

1 l=[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99]
2 l.pop(6)
3 print(l)

```

[24, 'mars', 36, 19, 'moon', 14, 44, 66, 99]

In [123]:

```

1 l=[24, 'mars', 36, 19, 'moon', 14, 'sun', 44, 66, 99]
2 l.remove(14)
3 print(l)

```

[24, 'mars', 36, 19, 'moon', 'sun', 44, 66, 99]

In [149]:

```

1 l=[24, 36, 19, 14, 44, 66, 99]
2 l.reverse()
3 print(l)

```

[99, 66, 44, 14, 19, 36, 24]

In [152]:

```

1 l=[24, 36, 19, 14, 44, 66, 99]
2 l.sort()
3 print(l)
4 l.sort(reverse=True)
5 print(l)

```

[14, 19, 24, 36, 44, 66, 99]  
 [99, 66, 44, 36, 24, 19, 14]