

In [48]:

```
1  ## task- 8, lists
2
3  l=[24,'mars',36,19,"moon",14,'sun',44,66,99]
4  print(l)
5  print('-----')
6  print(l[4])
7  print('-----')
8  print(l[2:8])
9  print('-----')
10 print(l[2:9:3])
11 print('-----')
12 print(l[8:0:-3])
13 print('-----')
14 print(l[5:])
15 print('-----')
16 print(l[:5])
17 print('-----')
18 print(l[:-1])
19 print('-----')
20 print(l[:-3])
21 print('-----')
22 print(l[::-1])
23 print('-----')
24 print(l[::-3])
```

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

```
-----
```

```
moon
```

```
-----
```

```
[36, 19, 'moon', 14, 'sun', 44]
```

```
-----
```

```
[36, 14, 66]
```

```
-----
```

```
[66, 14, 36]
```

```
-----
```

```
[14, 'sun', 44, 66, 99]
```

```
-----
```

```
[24, 'mars', 36, 19, 'moon']
```

```
-----
```

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

```
-----
```

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

```
-----
```

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

```
-----
```

```
[99, 'sun', 19, 24]
```