

In [1]:

```
1 # 1
2
3
4 def func(l):
5
6     k=[i for i in l if type(i)==int]
7
8     return k
9
10
11 print(func([1,"a","b",0,15]))
12 print(func([1,2,"aasf","1","123",123]))
```

```
[1, 0, 15]
[1, 2, 123]
```

In [2]:

```
1 # 2
2
3 def reverser(s):
4
5     s=s.swapcase()
6     return s[::-1]
7
8 print(reverser("Hello World"))
9 print(reverser("ReVeRsE"))
10 print(reverser("Radar"))
```

```
DLROw OLLEh
eSrEvEr
RADAr
```

In [3]:

```
1 # 3
2
3 def func(l):
4     first=l[0]
5     middle=l[1:-1]
6     last=l[-1]
7     print(first)
8     print(middle)
9     print(last)
10
11 func([1, 2, 3, 4, 5, 6])
12
```

```
1
[2, 3, 4, 5]
6
```

In [5]:

```
1 # 4
2 def fac(n):
3     if n==1 or n==0:
4         return 1
5     else:
6         return n*fac(n-1)
7
8 print(fac(5))
9 print(fac(3))
10 print(fac(1))
11 print(fac(0))
```

120

6

1

1

In [6]:

```
1 # 5
2
3 def move_to_end(l,d):
4
5     for i in l:
6         if i==d:
7             l.remove(i)
8             l.append(i)
9     return l
10
11 print(move_to_end([1, 3, 2, 4, 4, 1], 1))
12 print(move_to_end([7, 8, 9, 1, 2, 3, 4], 9))
13 print(move_to_end(["a", "a", "a", "b"], "a"))
```

[3, 2, 4, 4, 1, 1]

[7, 8, 1, 2, 3, 4, 9]

['b', 'a', 'a', 'a']