

```
In [1]: a=10
```

```
In [2]: type(a)
```

```
Out[2]: int
```

```
In [1]: s=45
```

```
In [2]: type(s)
```

```
Out[2]: int
```

```
In [8]: l=[1,2,3,3,4,5,6,7,8,]
```

```
In [12]: l1=[]
         for i in l:
             print(i+1)
             l1.append(i+1)
         l1
```

```
2
3
4
4
5
6
7
8
9
```

```
Out[12]: [2, 3, 4, 4, 5, 6, 7, 8, 9]
```

```
In [14]: l= ["sudh","kumar","pwskill","couse"]
```

```
In [15]: l1=[]
         for i in l:
             print(i)
             l1.append(i.upper())
```

```
sudh
kumar
pwskill
couse
```

```
In [2]: l=[1,2,3,4,4,"sudh","kumar",324,34.455,"abc"]
```

```
In [3]: l1_num=[]
         l2_str=[]
         for i in l:
             if type(i) == int or type == float:
                 l1_num.append(i)
```

```
else:  
    l2_str.append(i)
```

In [4]: l1_num

Out[4]: [1, 2, 3, 4, 4, 324]

In [5]: l2_str

Out[5]: ['sudh', 'kumar', 34.455, 'abc']

In []: