1.Sort a dictionary by value

In [1]:
```
d={'two':20,'three':30,'one':10}
d
type(d)
sorted (d.values())
```

Out[1]:
```
[10, 20, 30]
```

In [2]:
```
d1={'meera':45, 'ajay':65, 'teena':33, 'geetha':10}
d1
type(d1)
sorted(d1.values(),reverse=True)
```

Out[2]:
```
[65, 45, 33, 10]
```

2. Double each value

In [3]:
```
d={i:i*2 for i in range(10)}
d
```

Out[3]:
```
{0: 0, 1: 2, 2: 4, 3: 6, 4: 8, 5: 10, 6: 12, 7: 14, 8: 16, 9: 18}
```

3. Divide all values in a dictionary by 10

In [5]:
```
d1 = {'gfg' : 20, 'is' : 24, 'best' : 100}
d2 = {'gfg' : 10, 'is' : 10, 'best' : 10}
print("The original dictionary 1 : " + str(d1))
print("The original dictionary 2 : " + str(d2))
res = {key: d1[key] // d2.get(key, 0)
                        for key in d1.keys()}
print("The divided dictionary is : " + str(res))
```

```
The original dictionary 1 : {'gfg': 20, 'is': 24, 'best': 100}
The original dictionary 2 : {'gfg': 10, 'is': 10, 'best': 10}
The divided dictionary is : {'gfg': 2, 'is': 2, 'best': 10}
```

4. Add a key to a dictionary

In [1]:
```
d1={'meera':45, 'ajay':65, 'teena':33, 'geetha':10}
d1
d1['divya']=3
d1
```

Out[1]:
```
{'meera': 45, 'ajay': 65, 'teena': 33, 'geetha': 10, 'divya': 3}
```

In [ ]:
```

```