Create a dictionary

In [6]:

```
#creating dictionary with string values
#Its a combination of keys and values

my_dict={"key1":"abc","key2":"xyz"} # my_dict is a dictionary where
                                    # Keys = 'key1' and 'key2'
                                    # Values = 'abc' and ''
```

In [7]:

```
my_dict['key2']   # Retrieve values with the help of keys
```

Out[7]:

```
'xyz'
```

In [8]:

```
my_dict
```

Out[8]:

```
{'key1': 'abc', 'key2': 'xyz'}
```

In [1]:

```
d1={"key1":'abc',"key2":123,'key3':['a','b','c']} # Dictionary combination of va
lues like
                                        # string, integer, list
```

Access list (key3) in dictionary d1 and show 'b' in uppercase

we can achieve this in two ways:: 1) create variables and assign 2) Execute in single statement

1) create variables and assign

In [5]:

```
l=d1['key3']
print(l)
```

```
['a', 'b', 'c']
```

In [7]:

```
k= l[1] # assign list value to k i.e b
```

In [9]:

```
k.upper() # show the value in upper case
```

Out[9]:

```
'B'
```

2) Execute it in a single statement

In [2]:

```
d1["key3"][1].upper()
```

Out[2]:

```
'B'
```

Show all the keys

In [32]:

```
d1.keys()
```

Out[32]:

```
dict_keys(['key1', 'key2', 'key3'])
```

Show all the values

In [14]:

```
d1.values()
```

Out[14]:

```
dict_values(['abc', 123, ['a', 'b', 'c']])
```