```
In [1]: myset = {'eight', 'five', 'four', 'one', 'seven', 'six', 'three', 'two'}
         myset
Out[1]: {'eight', 'five', 'four', 'one', 'seven', 'six', 'three', 'two'}
In [3]: myset.add("NINE")
         print(myset)
        {'three', 'NINE', 'eight', 'seven', 'five', 'four', 'six', 'two', 'one'}
In [5]: myset.add("TEN")
In [7]: print(myset)
        {'three', 'NINE', 'eight', 'seven', 'five', 'TEN', 'four', 'six', 'two',
        one'}
In [9]: myset.update(["E","M","N"])
         print(myset)
        {'three', 'NINE', 'eight', 'N', 'seven', 'E', 'five', 'TEN', 'four', 'si
        x', 'two', 'one', 'M'}
In [11]: A = \{1,2,3,4,5\}
         B = \{4,5,6,7,8\}
         C = \{8, 9, 10\}
         A.union(B,C)
Out[11]: {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
In [13]: mydict = {1:'one', 'A':'two', 3:'three'}
         mydict
Out[13]: {1: 'one', 'A': 'two', 3: 'three'}
In [15]: mydict.keys()
Out[15]: dict_keys([1, 'A', 3])
In [17]: mydict.values()
Out[17]: dict_values(['one', 'two', 'three'])
In [19]: mydict.items()
Out[19]: dict_items([(1, 'one'), ('A', 'two'), (3, 'three')])
In [21]: keys = {'a', 'b', 'c', 'd'}
         value = [10, 20, 30]
         mydict = dict.fromkeys(keys,value)
         print(mydict)
```

about:srcdoc Page 1 of 5

```
{'a': [10, 20, 30], 'b': [10, 20, 30], 'd': [10, 20, 30], 'c': [10, 20, 3
In [23]: value.append(40)
         print(mydict)
        {'a': [10, 20, 30, 40], 'b': [10, 20, 30, 40], 'd': [10, 20, 30, 40], 'c':
        [10, 20, 30, 40]}
In [31]: keys.("f")
         value.append(50)
         print(keys)
        {'f', 'd', 'c', 'b', 'a'}
In []:
In [33]: print(mydict)
        {'a': [10, 20, 30, 40, 50], 'b': [10, 20, 30, 40, 50], 'd': [10, 20, 30, 4
        0, 50], 'c': [10, 20, 30, 40, 50]}
In [37]: qTuple = (1, 'Jhon', 1+3j)
         print(type(qTuple[2:3]))
        <class 'tuple'>
In [39]: type(range(5))?
         Cell In[39], line 1
            type(range(5))?
        SyntaxError: invalid syntax
```

#### print result with string

This addtion of 10 and 20 is 30

### print Format method

```
In [7]: print("This addtion of {} and {} is = {}".format(num1,num2,add))
This addtion of 10 and 20 is = 30
```

about:srcdoc Page 2 of 5

#### end statement

```
In []:
In [30]: print("hello")
    print("Good Morning")
    hello
    Good Morning
In [36]: print("hello", end=' ')
    print("Good Morning!")
    hello Good Morning!")
```

#### seprator

```
In [39]: print("hello", "Good", "Morning!", sep = '---->')
    hello---->Good---->Morning!
In [45]: print("hello", "Good", "Morning", sep= ' @')
    hello @Good @Morning
```

### Binary in Python

```
In []:
In [48]: bin(19)
Out[48]: '0b10011'
```

about:srcdoc Page 3 of 5

```
In [50]: bin(24)
Out[50]: '0b11000'
In []:
In [52]: bin(54)
Out[52]: '0b110110'
```

# **Operations with Binary Numbers**

```
In [55]: 0b10011 + 0b10011
Out[55]: 38
In [57]: 0b10011 * 0b10011
Out[57]: 361
In [61]: 0b10011 + 19
Out[61]: 38
In [63]: 0b10011/0b10011
Out[63]: 1.0
```

# convert a binary literal to an integer,

about:srcdoc Page 4 of 5

# **Octal Representation**

In [71]:	oct(52)
Out[71]:	'0064'
In [77]:	oct(123)
Out[77]:	'00173'
In [79]:	oct(100010)
Out[79]:	'00303252'
In [ ]:	
In [ ]:	

about:srcdoc Page 5 of 5