

Number system coverstion

In [2]: 25

Out[2]: 25

In [3]: bin(25)

Out[3]: '0b11001'

In [4]: 0b11001

Out[4]: 25

In [5]: int(0b11001)

Out[5]: 25

In [6]: bin(35)

Out[6]: '0b100011'

In [7]: int(0b100011)

Out[7]: 35

In [8]: bin(20)

Out[8]: '0b10100'

In [9]: 0b10100

Out[9]: 20

In [10]: int(0b10100)

Out[10]: 20

In [11]: 0b1111

Out[11]: 15

In [12]: oct(15)

Out[12]: '0o17'

In [13]: 0o17

Out[13]: 15

In [14]: hex(10)

Out[14]: '0xa'

In [15]: 0xa

Out[15]: 10

In [16]: hex(25)

Out[16]: '0x19'

In [17]: 0x19

Out[17]: 25

In [18]: 0x15

Out[18]: 21

Swap variable in python

- (a,b = 5,6) After swap we should get ==> (a,b = 6,5)

In [20]: a = 5
b = 6

In [21]: a = b
b = a

In [22]: a,b = b,a

In [23]: print(a)
print(b)

6
6

In [24]: a1 = 7
b1 = 8

In [25]: temp = a1
a1 = b1
b1 = temp

In [26]: print(a1)
print(b1)

8
7

In [27]: a2 = 5
b2 = 6

In [28]: a2 = a2 + b2
b2 = a2 - b2

```
a2 = a2 - b2
```

```
In [29]: print(a2)
         print(b2)
```

```
6
5
```

```
In [30]: print(0b101) # 101 is 3 bit
         print(0b110) # 110 also 3bit
```

```
5
6
```

```
In [31]: print(bin(11))
         print(0b1011)
```

```
0b1011
11
```

```
In [32]: a2 = a2 ^ b2
         b2 = a2 ^ b2
         a2 = a2 ^ b2
```

```
In [33]: print(a2)
         print(b2)
```

```
5
6
```

```
In [34]: print(a2)
         print(b2)
```

```
5
6
```

```
In [35]: a2 , b2 = b2, a2
```

```
In [36]: print(a2)
         print(b2)
```

```
6
5
```

```
In [ ]:
```