Bitwise Operator

Xor

```
In [1]: 12^13
 Out[1]: 1
 In [2]: print(bin(25))
         print(bin(30))
        0b11001
        0b11110
 In [3]: 25^30
 Out[3]: 7
 In [5]: bin(7)
 Out[5]: '0b111'
 In [6]: bin(25)
 Out[6]: '0b11001'
 In [7]: bin(30)
 Out[7]: '0b11110'
         Left Shift
 In [8]: 10<<1
 Out[8]: 20
 In [9]: 10<<2
Out[9]: 40
In [10]: 10<<3
Out[10]: 80
In [11]: 10<<4
Out[11]: 160
```

8/10/25, 12:23 PM Bitwise Operator

Right Shift

```
In [12]: 10>>1
Out[12]: 5
In [13]: 10>>3
Out[13]: 1
In [14]: bin(20)
Out[14]: '0b10100'
In []:
```