In [1]:
```python
a2 = 2
b2 = 3
print(a2)
print (b2)
```

```
2
3
```

In [2]:
```python
a2 = b2 + a2
a2 = b2 - a2
b2 = a2 - b2
print (a2)
print (b2)
```

```
-2
-5
```

In [5]:
```python
0b110
```

Out[5]: 6

In [6]:
```python
print(bin(7)) #if we dont want curly simbol
```

```
0b111
```

In [7]:
```python
bin(7)
```

Out[7]: '0b111'

In [8]:
```python
print (a2)
print (b2)
```

```
-2
-5
```

In [74]:
```python
a2 = 10
b2 = 33
```

In [75]:
```python
print (a2)
```

```
print (b2)
```

10
33

In [76]:
```
a2 = a2 ^ b2    # XOR
b2 = a2 ^ b2
print (a2)
print (b2)
```

43
10

In [77]:
```
bin(10)
```

Out[77]: '0b1010'

In [78]:
```
bin(33)
```

Out[78]: '0b100001'

In [79]:
```
0b11011
```

Out[79]: 27

In [80]:
```
bin (43)
```

Out[80]: '0b101011'

In [81]:
```
a2 = a2 & b2 #AND
b2 = a2 & b2
print (a2)
print (b2)
```

10
10

In [107…
```
a2 = 12
b2 = 18
```

```python
print (a2)
print (b2)
```

```
12
18
```

In [108… `22&77`

Out[108… `4`

In [109… `bin(12)`

Out[109… `'0b1100'`

In [110… `bin(18)`

Out[110… `'0b10010'`

In [111… `22|44 #OR`

Out[111… `62`

In [112… `43&10 #AND`

Out[112… `10`

In [118…
```python
a2 = 12
b2 = 18
```

In [119…
```python
print (a2)
print (b2)
```

```
12
18
```

In [130…
```python
b2 = a2 >> b2 #right shift
print (b2)
```

```
0
```

In [134...
```python
b2 = a2 << b2 #left shift
print (b2)
```

49152

In [150...
```python
35>>3
```

Out[150...
4

In [155...
```python
12<<5
```

Out[155...
384

In [151...
```python
bin (35)
```

Out[151...
'0b100011'

In [152...
```python
0b100
```

Out[152...
4

In [153...
```python
bin(12)
```

Out[153...
'0b1100'

In [157...
```python
0b110000000
```

Out[157...
384

print function

In [164...
```python
print (66)
print (22,55)
print ('honey')
print(2,33,'bee')
```

```
66
22 55
honey
2 33 bee
```

In [160…
```python
a1=12
b2=13
add= a1+b2
print(add)
```

```
25
```

In [163…
```python
a1=12
b2=13
add= a1+b2
print ('the addition of',a1,'and',b2,'is=',add)
```

```
the addition of 12 and 13 is= 25
```

In [166…
```python
name = 'baby jonny'
age = 21
city ='HYD'
print('My name is',name,'and i am',age,'years old form',city)
```

```
My name is baby jonny and i am 21 years old form HYD
```

In [168…
```python
a1=22
b1=44
add=a1+b1
print ('the addition of {} add {} is ={}'.format(a1,b1, add))
```

```
the addition of 22 add 44 is =66
```

In [177…
```python
a=33
b=67
add = a+b
print(f'The addition of {a} add { b } is = {add}')
```

```
The addition of 33 add 67 is = 100
```

In [5]:
```python
print ('oggey', end=' & ')
print ('cockrochs')
```

oggey & cockrochs

In [10]:
```python
print ('Jai Maharashtra','jai bhavani','jai shivaji', sep='....')
```

Jai Maharashtra....jai bhavani....jai shivaji

In [ ]: