

```
In [1]: print("Hello World")
```

Hello World

```
In [2]: if 5>3 :  
        print("Wrong indentation")
```

```
Cell In[2], line 2  
    print("Wrong indentation")  
    ^
```

IndentationError: expected an indented block after 'if' statement on line 1

```
In [3]: if 5>3 :  
        print("Right indentation")
```

Right indentation

```
In [4]: #this is comment  
        print("comment test")
```

comment test

```
In [5]: #this is comment  
        #python does not have multiline comment  
        print("comment test")
```

comment test

```
In [6]: a = 5  
        b = 6.0098  
        _car = 'BMW' #can use ' ' or " "  
        print(_car)  
        print(b)  
        print(a)
```

BMW

6.0098

5

```
In [7]: car1, car2, car3 = 'BMW', 'Mercedes', "Volkswagen"  
        print(car1)  
        print(car2)  
        print(car3)
```

BMW

Mercedes

Volkswagen

```
In [8]: car1 = car2 = car3 = "Viva"  
        print(car1)  
        print(car2)  
        print(car3)
```

Viva

Viva

Viva

```
In [9]: name = 'Dan'  
        print('My name is '+name)
```

My name is Dan

```
In [10]: name = 'Dan'
        ayat = 'My name is '
        print(ayat+name)
```

My name is Dan

```
In [11]: number1 = 20
        number2 = 2020
        print(number1+number2)
```

2040

```
In [15]: #global variable
        location = 'sungai Petani'
        def function1():
            #local variable
            location = 'Jitra'
            print(location)
```

```
function1()
print(location)
```

Jitra
sungai Petani

```
In [16]: #global variable
        location = 'sungai Petani'
        def function1():
            #global variable created
            #inside function
            global location
            location = 'Jitra'
            print(location)
```

```
function1()
print(location)
```

Jitra
Jitra

```
In [17]: e = ["wij", "dan", "mohamad"]
        print(e)
        print(type(e))
```

```
['wij', 'dan', 'mohamad']
<class 'list'>
```

```
In [19]: f = ("wij", "dan", "mohamad")
        print(f)
        print(type(f))
```

```
('wij', 'dan', 'mohamad')
<class 'tuple'>
```

```
In [20]: e = ["wij", "dan", "mohamad"]
        print(e)

        e[2] = "ariff"
        print(e)
```

```
['wij', 'dan', 'mohamad']
['wij', 'dan', 'ariff']
```

```
In [23]: f = ("wij", "dan", "mohamad")
print(f)
f[2] = ariff
print(f)
```

```
('wij', 'dan', 'mohamad')
```

```
-----
NameError                                Traceback (most recent call last)
Cell In[23], line 3
      1 f = ("wij", "dan", "mohamad")
      2 print(f)
----> 3 f[2] = ariff
      4 print(f)

NameError: name 'ariff' is not defined
```

```
In [24]: e = ["wij", "dan", "mohamad"]
f = ("wij", "dan", "mohamad")
print(e.__sizeof__())
print(f.__sizeof__())
```

```
72
```

```
48
```

```
In [25]: h = {'name': 'wijdan', 'age':20}
print("his name is", h['name'])
print("his age is", h['age'])
```

```
his name is wijdan
```

```
his age is 20
```

```
In [26]: print(1,2,3,4)
print(1,2,3,4, sep='#', end='.')
```

```
1 2 3 4
```

```
1#2#3#4.
```

```
In [28]: x = 10
y = 2020
print("I am {} years old in {}".format(x,y))
```

```
I am 10 years old in 2020
```

```
In [29]: print("i love {0} and {1}".format("Arun", "Haz"))
print("i love {1} and {0}".format("Arun", "Haz"))
```

```
i love Arun and Haz
```

```
i love Haz and Arun
```

```
In [30]: z = input('Enter a Number :')
z
```

```
Enter a Number :200
```

```
'200'
```

```
Out[30]:
```

```
In [31]: name, age = input('enter your name: '), int(input("enter your age: "))
```

enter your name: Omar
 enter your age: 20

```
In [32]: x = 2
y = 4
print("x + y = ",x+y)
print("x - y = ",x-y)
print("x * y = ",x*y)
print("x / y = ",x/y)
print("x // y = ",x//y)
print("x ** y = ",x**y)
```

```
x + y = 6
x - y = -2
x * y = 8
x / y = 0.5
x // y = 0
x ** y = 16
```

```
In [33]: x = 2
y = 4
print("x > y = ",x>y)
print("x < y = ",x<y)
print("x == y = ",x==y)
print("x != y = ",x!=y)
print("x >= y = ",x>=y)
print("x <= y = ",x<=y)
```

```
x > y = False
x < y = True
x == y = False
x != y = True
x >= y = False
x <= y = True
```

```
In [35]: x = True
y = False
print("x and y = ", x>y)
print("x or y = ", x<y)
print("x not y = ",x==y)
```

```
x and y = True
x or y = False
x not y = False
```

```
In [36]: x = 8
y = 4

print(x&y)
print(x|y)
print(~x)#not
print(x^y)#exclusive or
print(x>>2)# bitwise right shift
print(x<<2)#bitwise left shift
```

```
0
12
-9
12
2
32
```

```
In [37]: z = input("Enter a number: ")  
z
```

Enter a number: 200

```
Out[37]: '200'
```

```
In [38]: name, age = input("enter your name: "),int(input("enter your age"))
```

enter your name: wijdan

enter your age20

```
In [ ]:
```