

## task no. 1

### hello world

```
In [1]: print("hello world!")  
Hello world!
```

### data types

```
In [14]: n=int(input('Enter first value: '))  
          m=float(input('Enter first value: '))  
          print(type(n))  
          print(type(m))  
  
Enter first value:2  
Enter first value:2.0  
<class 'int'>  
<class 'float'>
```

### operators

```
In [13]: n1=int(input('Enter first value: '))  
          n2=int(input('Enter second value: '))  
          print('The sum of n1 and n2 is : ',n1+n2)  
          print('The sub of n1 and n2 is : ',n1-n2)  
          print('The multiplication of n1 and n2 is : ',n1*n2)  
          print('The division of n1 and n2 is : ',n1/n2)  
          print('The modulo of n1 and n2 is : ',n1//n2)  
  
Enter first value: 10  
Enter second value: 5  
The sum of n1 and n2 is : 15  
The sub of n1 and n2 is : 5  
The multiplication of n1 and n2 is : 50  
The division of n1 and n2 is : 2.0  
The modulo of n1 and n2 is : 2
```

### comparison operators

## comparison operators

```
In [10]: a=2
b=3
print(a==b)
print(a!=b)
print(a>b)
print(a<b)
print(a>=b)
print(a<=b)

False
True
False
True
False
True
```

## Assignment operators

```
In [12]: a=4
b=a
print(b)
a=3
b=6
a+=b
print(a)
a-=b
print(a)
a*=b
print(a)
a/=b
print(a)

4
9
3
18
1.8
```

## Bitwise operator

```
In [14]: a=10
```

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### Bitwise operator

```
In [14]: a=10
         b=4
         print(a&b)
         print(a|b)
         print(a^b)

0
14
14
```

### logical operators

```
In [41]: a=9
         b=3
         print(a and b)
         print(a or b)
         print(not a)

3
9
False
```

### list

```
In [42]: l=[1,2,3,'super',0,'good']
         print(l)

[1, 2, 3, 'super', 0, 'good']
```

### list slicing

```
In [44]: l=[1,2,3,4,5,6,7]
         print(l[3:6])

[4, 5, 6]
```

### list updation

```
In [90]: l=[1,3,4,2,4,8]
         l.remove(4)
```

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### list slicing

```
In [44]: l=[1,2,3,4,5,6,7]
print(l[3:6])
[4, 5, 6]
```

### list updation

```
In [50]: l=[1,3,4,2,4,6]
l.append(9)
print(l)
[1, 3, 4, 2, 4, 6, 9]
```

### list deletion operation

```
In [54]: list=[1,2,3,4,5]
del list[4]
print(list)
[1, 2, 3, 4]
```

### tuples

```
In [52]: n=(1,2,'harsh')
print(n)
(1, 2, 'harsh')
```

### functions

```
In [58]: def func1():
print("welcome to python")
func1()

welcome to python

In [ ]:
```

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