In [1]:
```
print (3+2)
```

```
5
```

In [2]:
```
print (3-2)
```

```
1
```

In [3]:
```
print (3*2)
```

```
6
```

In [4]:
```
print (3/2)
```

```
1.5
```

In [5]:
```
print (3 ** 2)
```

```
9
```

In [7]:
```
print (3%2) # modulus(%)
```

```
1
```

In [9]:
```
print (3//2) # Floor division operator(//)
```

```
1
```

Checking data types

In [10]:
```
print (type(10))
```

```
<class 'int'>
```

In [11]:
```
print (type(3.14))
```

```
<class 'float'>
```

In [12]:
```
print (type(1+3j))
```

```
<class 'complex'>
```

In [13]:
```
print (type('Asabeneh'))
```

```
<class 'str'>
```

In [15]:
```
print (type([1, 2, 3]))
```

```
<class 'list'>
```

In [16]:
```
print (type({'name': 'Asabeneh'}))
```

```
<class 'dict'>
```

In [17]:
```
print (type({9.8, 3.14, 2.7}))
```

```
<class 'set'>
```

In [18]:
```
print (type((9.8, 3.14, 2.7)))
```

```
<class 'tuple'>
```

In [19]:
```
print (type(3==3))
```

```
<class 'bool'>
```

In [20]:
```
print(type(3>=3))
```

```
<class 'bool'>
```

Variables in Python

In [23]:
```
first_name = 'Mahesh'
```

In [22]:
```
last_name = 'Gautam'
```

In [24]:
```
country = 'USA'
```

In [31]:
```
state = 'New York'
```

In [34]:
```
city = 'New York'
```

In [35]:
```
age = 52
```

In [36]:
```
is_married = True
```

In [37]:
```
skills = ['MS SQL', 'Power BI', 'Power Apps', 'Power Automate', 'SharePoint online'
```

In [26]:
```
print('First Name:', first_name)
```

```
First Name: Mahesh
```

In [28]:
```
print('Last Name:', last_name)
```

```
Last Name: Gautam
```

In [29]:
```
print('Country:', country)
```

```
Country: USA
```

In [32]:
```
print ('State:', state)
```

```
State: New York
```

In [38]:
```
print ('city:', city)
```

```
city: New York
```

In [39]:
```
print ('Age:', age)
```

```
Age: 52
```

In [40]:
```
print ('Skills:', skills)
```

```
Skills: ['MS SQL', 'Power BI', 'Power Apps', 'Power Automate', 'SharePoint online',
'MS Excel']
```

In [41]:
```
person_info = {
    'firstname':'Nobel',
    'lastname':'Gautam',
    'country':'Denmark',
    'city':'Copenhagen'
    }
```

In [42]:
```
print (person_info)
```

```
{'firstname': 'Nobel', 'lastname': 'Gautam', 'country': 'Denmark', 'city': 'Copenhag
en'}
```

Declaring multiple variables in one line

In [45]:
```
print(first_name, last_name, country, age, is_married)
```

```
Nobel Gautam Denmark 25 False
```

In [47]:
```
print ('First Name:', first_name)
```

```
First Name: Nobel
```

Arithmetic Operations in Python

Integers

In [48]:
```
print('Addition: ', 1 + 2)
```

```
Addition:  3
```

In [49]:
```
print ('Substraction:', 10-2)
```

```
Substraction: 8
```

In [50]:
```
print('Multiplication: ', 8 * 3)
```

```
Multiplication:  24
```

In [51]:
```
print ('Division: ', 50 / 2)
```

```
Division:  25.0
```

In [52]:
```
print('Division: ', 25 / 2)
```

```
Division:  12.5
```

In [53]:
```
print('Division: ', 7 / 2)
```

```
Division:  3.5
```

In [55]:
```
print('Modulus: ', 13 % 2) # Gives the remainder
```

```
Modulus:  1
```

In [56]:
```
print ('Division without the remainder: ', 7 // 3)
```

```
Division without the remainder:  2
```

In [57]:
```
print('Exponential: ', 5 ** 2)
```

```
Exponential:  25
```

Floating numbers

In [58]:
```
print('Floating Number,PI', 3.14)
```

```
Floating Number,PI 3.14
```

In [59]:
```
print('Floating Number, gravity', 9.81)
```

```
Floating Number, gravity 9.81
```

Complex numbers

In [60]:
```
print('Complex number: ', 10 + 1j)
```

```
Complex number:  (10+1j)
```

In [ ]:

In [ ]:

In [ ]:

In [ ]: