In [1]:
```python
print("This is my first line of code in python")
```

This is my first line of code in python

In [2]:
```python
print("Hello\nThis is in the next line")
```

Hello
This is in the next line

In [3]:
```python
a = 6
b = 7
print(a + b)

print(a - b)
print(a * b)
print(a / b)
print(a // b)
print(a % b)
print(a ** b)
```

13
-1
42
0.8571428571428571
0
6
279936

In [5]:
```python
a=3
b=2
print(a ** b)
```

9

In [6]:
```python
#BEDMAS
print(4 * 5 - 9 + 6 / 7)
```

11.857142857142858

In [7]:
```python
inc = 9
inc += 1
print(inc)
inc -= 1
print(inc)
```

10
9

In [8]:
```python
#Logical
print(3 < 4)
print(True and False)
print(True or False)
print(a!=b)
print(True and not False)
```

```
True
False
True
True
True
```

In [9]:
```python
small = "i am upper cased"
print(small.upper())

large = "I AM LOWER CASED"
print(large.lower())
```

```
I AM UPPER CASED
i am lower cased
```

In [10]:
```python
some_sentence = "There is a space at the end     "
print(some_sentence)
print(some_sentence.rstrip())
```

```
There is a space at the end
There is a space at the end
```

In [11]:
```python
increment = '4%'
print(increment.rstrip('%'))
```

```
4
```

In [12]:
```python
start = "   There is space at the start"
print(start)
print(start.lstrip())
```

```
   There is space at the start
There is space at the start
```

In [13]:
```python
spaces = "   Trim whitespaces   "
print(spaces)
print(spaces.strip())
```

```
   Trim whitespaces
Trim whitespaces
```

In [14]:
```python
num_with_chars = '*444#'
print(num_with_chars.rstrip('#').lstrip('*'))
```

```
444
```

In [15]:
```python
val = "2 apples"
no_of_apples = val[0]
print('number of apples is', no_of_apples)
```

number of apples is 2

In [20]:
```python
what = val[0:]
print(what)
```

2 apples

In [21]:
```python
#slicing by specifying start and end index
print(val[2:5])
```

app

In [22]:
```python
batch = "5 oranges 3 monkeys n"
fruits = batch[ :9]
print(fruits)
```

5 oranges

In [23]:
```python
print(batch[ :-2])
```

5 oranges 3 monkeys

In [24]:
```python
animals = batch[10:-2]
print(animals)
```

3 monkeys

In [25]:
```python
nums = '123456789'
even_nums = nums[1::2]
print(even_nums)
```

2468

In [26]:
```python
odd_nums = nums[0::2]
print(odd_nums)
```

13579

In [28]:
```python
odd_nums_again = nums[ :: 2]
print(odd_nums_again)
```

13579

In [29]:
```python
first_name = "Monty"
last_name = 'Python'
```

```
In [30]: name = first_name + " " + last_name
         print(name)
```

Monty Python

```
In [32]: age = 30
         my_age = ("I am "+ str(age) + " years old")
         print(my_age)
```

I am 30 years old

```
In [33]: My_age = "I am {0} years old".format(age)
         print(My_age)
```

I am 30 years old

```
In [34]: A = "Data"
         B = "Analysis"
         C = "Pandas"

         print("{0} {1} using {2}".format(A,B,C))
```

Data Analysis using Pandas

```
In [35]: #concat and update
         name += ' ' + my_age
         print(name)
```

Monty Python I am 30 years old

```
In [36]: len("python")
```

Out[36]: 6