**Python Operators:**

**1]Write a program to perform Arithmetic operators in Python**

**#arithmetic**

**x=2**

**y=5**

**print(x+y)**

**print(y-x)**

**print(x\*y)**

**print(x/y)**

**print(y%x)**

**print(x\*\*y)**

**print(x//y)**

7

3

10

0.4

1

32

0

### 2]Write a program to perform ****Comparison Operators in Python****

### ****#comparison****

### ****x=5****

### ****y=6****

### ****print(x==y)****

### ****print(x!=y)****

### ****print(x>y)****

### ****print(x<y)****

### ****print(x<=y)****

### ****print(x>=y)****

False

True

False

True

True

False

### ****3]**** Write a program to perform Logical Operators in Python

### logical

### x=8

### print(x>5 and x<12)

### print(not(x>5 and x<10))

### print(x>5 or x<10)

True

False

True

### 4]Write a program to perform Assignment Operators in Python

### #assignment

### x=3

### print(x)

### x=5

### x+=2

### print(x)

### x=5

### x-=3

### print(x)

### x=10

### x/=5

### print(x)

### x=6

### x\*=2

### print(x)

### x=3

### x\*\*=2

### print(x)

### x=4

### x//=8

### print(x)

### x=5

### x&=3

### print(x)

### x=2

### x^2

### print(x)

### x=5

### x>>=3

### print(x)

### x=6

### x<<=10

### print(x)

3

7

2

2.0

12

9

0

1

2

0

6144

### 5]Write a program to perform ****Identity Operator****

### ****#identity****

### ****x=["apple","mango"]****

### ****y=["apple","orange"]****

### ****z=x****

### ****print(x is z)****

### ****print(x is y)****

### ****print("apple" not in x)****

True

False

False

### ****6]**** Write a program to perform Membership****Operator****

### #membership

### x=["banana","kiwi"]

### print("kiwi" in x)

### print("kiwi" not in x)

True

False