Arithmetic operators

+,-,*,/,%(to get the remainder),//(for quotient),**

#write a program to calculate the arithmetic operator:

```
a=int(input("enter the value:"))
b=int(input("enter the value:"))
print("the sum of a and b is=",a+b)
print("the sub of a and b is=",a-b)
print("the div of a and b is=",a/b)
print("the remainder of a and b is=",a%b)
OUTPUT:
enter the value: 6
enter the value: 7
the sum of a and b is= 13
the sub of a and b is= -1
the div of a and b is= 0.8571428571428571
the remainder of a and b is= 6
```

ASSIGNMENT OPERATORS:=,+=,-=,*=,%=,/=

```
a=int(input("enter the number:"))
b=int(input("enter the number:"))
a=b
print("a is equal b=",a)
a+=b
```

```
print(a)
a-=b
print(b)
```

OUTPUT:

enter the number: 4

enter the number: 5

a is equal b= 5

10

5

RELATIONAL OPERATORS:<,>,<=,>=,==

```
a=int(input("enter the number:"))
b=int(input("enter the number:"))
print(a>b)
print(a<b)
print(a>=b)
print(a<=b)
```

OUTPUT:

enter the number: 3

enter the number: 4

False

True

False

True

LOGICAL OPERATORS:AND,OR,NOT

```
a=int(input("enter the number:"))
b=int(input("enter the number:"))
print(a>b and a>b)
print(a>b or a>b)
```

print(a<b)

OUTPUT:

enter the number: 4

enter the number: 5

False

False

True

IDENTITY OPERATORS:IS ,NOTIS

PROGRAM:

a=4

b=5

a is b

a is not b

OUTPUT:

FALSE

TRUE

MEMBERSHIP OPERATOR:

PROGRAM:

a=["apple","banana","mango"]

print("apple" in a)

print("apple" not in a)

OUTPUT:

True

False