Operators:

Operators are special symbols or keywords used in programming to perform operations on variables and values. They can perform arithmetic calculations comparisons, logical operations, and more.

Arithmetic Operators:

+ - * / % // **

#Write a program to calculate all basic arithmetic operation on 2 given input

a=float(input())

b=float(input())

print(f" sum of {a} and {b} = {a+b}\n sub of {a} and {b} = {a-b}\n mul of {a} and {b} = {a*b}\n div of {a} and {b} = {a/b}\n mod of {a} and {b} = {a%b}\n floor div of {a} and {b} = {a//b}\n {a} power of {b} = {a**b}")

o/p: 4

5

sum of 4.0 and 5.0 = 9.0

sub of 4.0 and 5.0 = -1.0

mul of 4.0 and 5.0 = 20.0

div of 4.0 and 5.0 = 0.8

mod of 4.0 and 5.0 = 4.0

floor div of 4.0 and 5.0 = 0.0

4.0 power of 5.0 = 1024.0

Relational operators:

< > >= <= == !=

5>10 → False

5<10 → True

5>=10 → False

5<=10 → True

Logical operators:

and or not xor xnor

A	B	AND	OR
FAIL	FAIL	FALSE	FALSE
FAIL	PASS	FALSE	TRUE
PASS	FAIL	FALSE	TRUE
PASS	PASS	TRUE	TRUE

NOT(TRUE)=FALSE

NOT(FALSE)=TRUE

print(3<5 or 12<7)

o/p:True

Assignment operators:

= += -= *= /= %= //= **=

syntax: var=var+value

ex: a=5

   a+=3

   a

o/p:8

ex: a -=9

   a

o/p:-1