operators:

An operator in Python is a symbol or word used to perform operations on values or variables.

arithmetic operation

+   -   *   /   %   //   **

write a program to calculate the all basic arithmetic operation on 2 given inputs

```
a=10
b=3
print(a-b)
print(a+b)
print(a*b)
print(a/b)
print(a%b)
print(a//b)
print(a**b)
print(f"the sum of {a} and {b} is {a+b}\nthe subtraction of {a} and {b} is {a-b}\nthe mutiplication of
{a} and {b} is {a*b}\nthe divison of {a} and {b} is {a/b}\nthe mod of {a} and {b} is {a%b}\nthe
quotient of {a} and {b} is {a//b}\nthe power of {a} and {b} is {a**b}")
relational operator:
```

>   <   >=   <=   ==   !=

logical operator:

and   or   not   xor   xnor

A	B	AND	OR
Fail	fail	False	False
Pass	Fail	False	True
Fail	Pass	False	True
Pass	Pass	True	True

NOT(TRUE) = FALSE

NOT(FALSE) = TRUE

Assignment operator:

=   +=   -=   /=   %=   //=   **=ṇṁ

a = 5

a += 3 # it means a = a+3 i.e. a=5+3 so basically the a will be updated with new value

var = var + value