

05-Sep-25 :-

① write a program to calculate area of triangle and circle with given input

$AOT = 0.5 * b * h$
 $AOC = 3.142 * r * r$

Program:

```

b = float(input())
h = float(input())
r = float(input())

```

$aot = 0.5 * b * h$
 $aoc = 3.142 * r * r$

Print(f" The area of triangle is {aot} \n The area of circle is {aoc}")

4.5
 3.8
 2.5

The area of triangle is 8.54999
 The area of circle is 19.6375

Operators :-

1) Arithmetic Operators :

$+$ $-$ $*$ $/$ $\%$ $||$
 ↓ ↓
 Remainder Quotient

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

a = int(input())

b = int(input())

c = a + b

Print(c)

d = a - b

Print(d)

e = a * b

Print(e)

f = a / b

Print(f)

g = a % b

Print(g)

h = a // b

Print(h)

i = a ** b

Print(i)

Print(f" The sum of {a} and {b} is {a+b} \n")

The sub of {a} and {b} is {a-b} \n

The {a} power of {b} is {a**b} \n")

Relational operations: (> < >= <= == !=
[comparisson]).

5 != 10

True

5 > 10

false

5 == 10

false.



logical operators : (and or not xor xnor)

when we are checking multiple conditions

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

AND ko compare krke dekhte hai
aglye ne True dikhaye

OR ko ekdama qn True agya
True will display

NOT(True) = false

NOT(false) = True

Print(5 > 7 OR 12 < 7) < OR and
True false

false

Print(5 < 5 and 12 > 7)

True.

Assignment Operator:

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

a = 5

a

5

a += 3 !# a = a + 3 a = 5 + 3

a

8

Var = var + value syntax

a -= 9

a

-1

a ** = 2

a

1