05/09

Prg :- Write a program to calculate area of triangle and circle with given input.

AOT :- 0.5 * b * h

AOC :- 3.142 * r * r

```
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 are of circle is {aoc}")
```

(or)

```
print(f"The area of triangle is {0.5*b*h}\n
      The area of circle is {3.142*r*r}")
```

i/p :- 4.5
3.8
2.5

o/p :- The area of a triangle is 8.549999999999
" " circle is 19.6375

OPERATORS :-

1) Arithmatic operators :-

\+ - * / % // **

% → Reminder value

// → To get a Quotient value

* Write a program to calculate the all basic arithmatic operation on 2 given input.

prg:-
```
a = int(input())
b = int(input())
print(f"The Sum of {a} and {b} is {a+b} \n
The Sub of {a} and {b} is {a-b} \n
The mul of {a} and {b} is {a*b} \n
The div of {a} and {b} is {a/b} \n
The mod of {a} and {b} is {a%b} \n
The floor div of {a} and {b} is {a//b} \n
The {a} power of {b} is {a**b}")
```

2) Comparison / Relational operators :-

>	<	>=	<=	==	!=
5 > 10	5 < 10	5 = 10		5 != 10	
dp:- False	True	False		True	

3) 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

4) Assignment operators :-

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

a += 3

a = a+3

a = 5+3

a = 8

Syn :- Var = Var + Value