

1. Input and Output - function:-

Input :- Anything output we take from the user.

input()

Output :- Anythings data we give the user or display it :: print().

Examples for output function

Print ("Hello good morning")

Input function :- we are taking data from the user so need to store in variable before performing function.

a = int(input("Enter a number"))

Variable name: Enter a number 7 optional to give name.

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Area of trapez : $0.5 \times b \times h$

Area of circle : $3.142 \times r \times r$

→ Operators :- (symbols to perform calculation)

1) Arithmetic Operators = +, -, *, /, %, //, **

2) Relational Operators = >, <, >=, <=, ==, !=

3) Logical Operators = 'and', 'or', 'not', xor, xnor

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

NOT (TRUE) = FALSE

NOT (FALSE) = TRUE

And = all the conditions has to met

OR = anyone condition has to be met

4) Assignment operator.

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

$t \Rightarrow a = 3$, $a + 3 \neq a = a + 3$, $a = 5 + 3$, $a = 8$

Syntax

$Var = Var + Value$