

First Python Program - `print("Hello World")`

COMMENTS - are used as short descriptions along with code to increase its readability and they are not interpreted by Python.

- 1) Single line comments - represented by `#`
- 2) multi line comments - `"""` or `"""`

Keywords - are reserved words used for particular task. It can't be used as identifiers
eg. `def`, `else`, `if`, `for`, `True`, `False` etc.

Variables : Variables are like containers that can be filled in with different types of data values. Once a variable is assigned a value, you can use that variable in place of the value.

Syntax : `Variable-name = value`

eg `greeting = "Hello World"`
`print(greeting)`

`x = 10` `print(x+1)` # add number to variable

`a, b, c = 1, 2, 3` `print(a, b, c)` # multiple variable

Variable Naming Rules :

- 1) Begin with letter (a-z, A-Z) or an underscore (`_`)
- 2) can contain letters, numbers & underscore
- 3) Case sensitive
- 4) cannot be a reserved keyword (like, `for`, `if`, etc).

Valid variable declaration

- 1) $A = 6$, $b = 12$
- 2) $num = 123$, $Num1 = 234$
- 3) $-sub_marks = 99$

Invalid variable declaration

- 1) $1num = 6$
- 2) $Stu\ id = 34$
- 3) $@names = "nithya"$

Input function in Python.

This function is used to take input from the user

eg. $n = \text{input}("enter your name")$
 $p = \text{input}("enter your place")$

general printing statement

$\text{print}("my name is ", n, ", i am from ", p)$

o/p. enter your name
enter your place

my name is Nithya, i am from Tamilnadu.

Add 2 Numbers

$num1 = \text{int}(num1)$

$num2 = \text{int}(num2)$

$Sum = num1 + num2$

$\text{print}("The sum of", num1, "and", num2, "is:", sum)$

#. format method.

$\text{print}("My name is \{3\}, I am from \{3\}".format(n, p))$

My name is Nithya, I am from Tamilnadu.