Comments:

They are part of the code, but they are not considered during execution.

Two types comments in python:

1) Single line comments:

      Start with a # symbol.

      ex: #my 1ˢᵗ Program

2) Multi line comments:

      It is also known as block comments.

      Usually done with triple quotes.

      ' ' '   ' ' ' (or) " " "   " " "

      ex: '''

      This is a

      multi-line comment

      '''

      print("Hello, world!")

Keywords:

They are reserved words used for specific tasks and cannot be used as identifiers, such as variable or function names.

ex: True, False, for, while, if, else, break, try, except, finally.

Variables:

It is a place used to store values.

ex: a=5

a is variable

a is value

Valid variable declaration:

a = 5

A = 7

num = 11

Num1 = 89

NUM2 = 15

empid = 123

emp_name = "pri" or 'pri'

_emp_no_ = 91234256789

Invalid variable declaration:

An invalid variable declaration occurs when a variable name breaks Python's naming rules, such as starting with a number, using special characters, or using reserved keywords.

ex:1n = 35

stu#name@ = "abcd"

stu id = 234