

H.W

* Write notes on :-

1) Variable declaration :-

- A variable's type has to be specified before it may be assigned to a value. This process is called variable declaration.

- But in python, we don't have declare variables, we simply assign them.

- In short, we can think of a variables in python as a name for an object.

2) Variable naming rules :-

- A variable name must start with a letter or the underscore character.

- A variable name cannot start with a number.

- A variable name can only contain alphanumeric characters and underscores (A-Z, 0-9, and -)

- Variable names are case-sensitive (age, Age and AGE are three different variables)

- Example :

Legal variable names :

myvar = "Snehal"

my-var = "Snehal"

-my-var = "Snehal"

myVar = "Snehal"

MYVAR = "Snehal"

myvar2 = "Snehal"

Illegal variable name

2myvar = "Snehal"

my-var = "Snehal"

my var = "Snehal"

3) Variables types :-

- Python variables are of four different types :

i) Integer

ii) Long integer

iii) Float

iv) String

i) Integer are used to define numeric values

ii) Long integers are used for defining integers with bigger lengths than a normal integer.

iii) Float are used for defining decimal values.

iv) Strings are used for defining characters.

4) Assigning values to variables :-

- Assigning values to variables is achieved by the = operator.

- The = operator has a variable identifier on the left and a value on the right (of any value type).

- Assigning is done from right to left, so a statement like var sum = 5 + 3; will assign 8 to the variable sum.