Introduction and Declaration of Variables

Introduction to Variables

A **Variable** is a name given to a memory location. It is used to store a value that may vary. Java is a statically typed language, and hence, all the variables are declared before use.

Variable Declaration

In Java, we can declare variables as follows:

- **type:** Type of the data that can be stored in this variable. It can be int, float, double, etc.
- **name:** Name given to the variable.

data_type variable_name;
Example: int x;

In this way, we can only create a variable in the memory location. Currently, it doesn't have any value. We can assign the value in this variable by using two ways:

- By using variable initialization.
- By taking input

Here, we have discussed only the first way, i.e. variable initialization. We will discuss the second way later.

data_type variable_name = value;
Example: int x = 10;