# 1): Variables, Data Types, and Operators

What Is Variables in java?

* A variable is declared by specifying its data type and name.
* A variable is a container that holds values that are used in a Java program. Every variable must be declared to use a data type. For example, a variable could be declared to use one of the eight primitive data types: byte, short, int, long, float, double, char or Boolean.
* Types of Variables in Java:
* 1. Local Variables: Declared within a method or block, accessible only within that scope.
* 2. Instance Variables: Declared within a class, accessible throughout the class.
* 3. Static Variables: Shared by all instances of a class, accessible throughout the class.
* 4. Parameter Variables: Passed to a method, accessible only within that method.
* What is Data Types?
* Data types refer to the different sizes and values that can be stored in the variable. Two types of data type are in Java programming: (A) Primitive data types: The primitive data types consist of int, float, Boolean, byte, short, long, char and double. (B) Non-primitive data types: The non-primitive data types include.
* What Is Operators?