

Variables:

- Variables are nothing but reserved memory locations to store values.
- Variables are divided in to three types
 1. Instance variables
 2. Static variables
 3. Local variables

Instance Variable:

The variables which are declared within the class but outside of any method or block or constructor are called “Instance Variables”

- Instance variables can't be accessed from static area

Static Variable:

- A variable which is declared static is known as static variable.
- Static variables will be created at the time of class loading and destroyed at the time of class unloading hence the scope of the static variable is exactly same as the scope of the **.class** file.
- **Static variables can never be local variables.**
- Static variables can be accessed from both instance and static areas directly.

Local Variable:

- Variables which are declared inside a method or block or constructors such type of variables are called local variables.
- Scope of the local variables is exactly same as scope of the block in which we declared.
- The only valid modifier for local variables is **final**.

NOTE

- For the static and instance variables it is not required to perform initialization explicitly, JVM will provide default values. But for the local variables JVM won't provide any default values compulsory we should perform initialization explicitly **before using that variable**.