**Types Of Variables in JAVA:**

1. Local Variable  
2. Instance variable  
3. Class Variable/Static variable

**Local variable:**

* These are also called as stack variable. Because they exist in stack memory
* It is mandatory to initialize the local variable. Otherwise you will get run time error from compiler
* These can be defined inside method, constructor or also inside block. The scope or life time of local variable destroyed with end of method completion.

**Instance variable:**

* Instance variable are also known as member variable or field
* These are associated with the object creation. As the object get created instance variable also get created
* These live on heap memory. In case, if you don’t initialize instance variable with initial value these get default value at run time implicitly.

**Class Variable/Static Variable:**

* These are loaded and initialized when class is loaded in JVM
* There exists only one copy of class variable
* They live on heap memory. If these variables are not initialized to some default value is assigned to them implicitly.

**Example**

**public** **class** TypesOfVariable {

**public** **static** **int** *static\_var*;

**int** instance\_var;

**public** **void** printdata() {

**int** local\_var=10;

System.***out***.println("Static variable value is = "+*static\_var*);

System.***out***.println("Instance variable value is = "+instance\_var);

System.***out***.println("Local variable value is = "+local\_var);

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

TypesOfVariable typesOfVariable=**new** TypesOfVariable();

typesOfVariable.printdata();

}

}

**Output**

Static variable value is = 0

Instance variable value is = 0

Local variable value is = 10