**Assertion** : While executing assertion, it is believed to be true. If it fails, JVM will throw an **error** named **AssertionError**. It is mainly used for testing purpose.  An assert statement is used to declare an expected boolean condition in a program.

In the Java programming language, assertions (introduced in JDK 1.4) are statements that you can use to test your assumptions about the code. It is a nice way to detect errors in your code. When you execute assertions and the assertions fail, the runtime throws an AssertionError.

**IMP** : we need to turn on assertion before running assertion program, By default assertion is off. To turn on : Go to eclips : run : run configurations : Arguments : in VM arguments section – type : -ea and click on apply, this will turn on the assertion and now run program. To disable it : remove –ea And click on apply. Eclipse : AssertDemo1

