For executing any java program, you need to

1)install the JDK if you don't have installed it, **download the JDK** and install it.

2) set path of the jdk/bin directory. **http://www.javatpoint.com/how-to-set-path-in-java**

3) create the java program

4) compile and run the java program

Creating hello java example

1. **class** Simple{

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

3. System.out.println("Hello Java");

4. }

5. }

**Let's see what is the meaning of class, public, static, void, main, String[], System.out.println().**

**class** keyword is used to declare a class in java.

1. **public** keyword is an access modifier which represents visibility, it means it is visible to all.

2. **static** is a keyword, if we declare any method as static, it is known as static method. The core advantage of static method is that there is no need to create object to invoke the static method. The main method is executed by the JVM, so it doesn't require to create object to invoke the main method. So it saves memory.

3. **void** is the return type of the method, it means it doesn't return any value.

4. **main** represents startup of the program.

5. **String[] args** is used for command line argument. We will learn it later.

6. **System.out.println()** is used print statement. We will learn about the internal working of System.out.println statement later.

Difference between JDK, JRE and JVM

1. Brief summary of JVM

2. Java Runtime Environment (JRE)

3. Java Development Kit (JDK)

Understanding the difference between JDK, JRE and JVM is important in Java. We are having brief overview of JVM here.

If you want to get the detailed knowledge of Java Virtural Machine, move to the next page. Firstly, let's see the basic differences between the JDK, JRE and JVM.

|  |  |
| --- | --- |
| JVM  JVM (Java Virtual Machine) is an abstract machine. It is a specification that provides runtime environment in which java bytecode can be executed. |  |
| JVMs are available for many hardware and software platforms. JVM, JRE and JDK are platform dependent because configuration of each OS differs. But, Java is platform independent. |  |
| JRE  It is use to provide run time environment.  It is implementation of JVM |  |