1. Java is platform independent and it can run in different operating System.
2. Code is easily accessible by everyone
3. JDK – Java Development Kit – Execution of codes

JRE – Java Runtime Environment – It contain predefined files and library functions

JVM – Java Virtual Machine – It is used for Memory allocation and object creation

1. Java is Object oriented programs and it is easily accessible
2. Latest Version – JDK 1.8 and Using version JDK 1.8
3. Latest Version -Eclipse 4.23 and Using –Eclipse 3.0
4. C++ is platform dependent while Java is platform independent

C++ is needs to be compiled on every platform while Java is compiled into byte code and it is executed on any platform (OS).

C++ requires manual memory management while Java is memory managed by the system

1. Features of Java

Platform Independent

Multithreading

Portable

Secure

Robust

1. Java Compiler
2. Object : It is instance of Java class

Methods: It is also called functions and it display objects behavior

Class: It is user defined type.

1. It is stored by system allocation
2. Access by using import
3. Encapsulation – It is like a capsule. All methods and data are encapsulated.
4. Project & Class – Every word of First letter should be in CAPS. For Ex : DataField.

Method – Every Second word should be in CAPS. For ex: dataField.

Package – Each and every letter should be in small. For Ex : tim.write

Object – className obj =new className();

1. Code are converted into byte code with the extension of .class and then converts into binary code(0’s and 1’s)