LAB#01

To set up java in your machine, install two applications JDK and JRE.

1)JDK: JDK stands for java development kit it internally contains JRE and JVM. JDK provides all the tools to work with java language.

2)JRE: JRE stands for java runtime environment it provides environment to execute java program. It internally contains JVM (java virtual machine) which is responsible to execute a java program.

Installation Process For java:

**Step#01**

Install JDK from google.

**Step#02**

Install Vs Code.

**Step#03**

Install three extensions on the Vs Code.

1.Extension pack for java

2.Debugger for java

3.language support for java

Conventions Use IN java:

1-Pascal Convention: It include classes in which every first letter of the any variable made from a compound word will be in upper case.

For example: HelloWorld

2-Camel Case Convention: It includes function or method in which all the words and phrases are divided by using capital letters without any blank spaces or punctuation.

BYTE CODE:

The java language works on byte code. Byte code was proposed by James Gosling.it have compiler and interpreter and also known as portable code p-code. Byte is the intermediate code compiled and executed by a virtual machine (VM).

Life Cycle OF Byte Code:

Source Code Byte Code Machine code

Compiler Interpreter

CODE#01

“HELLO WORLD”

Public class Hello1

{

public static void main(String[] args )

{

System.out.println(x: “Hello World”)

}

}