Week-2

Introduction and software requirements to run the java programs:

Question.1 What is the software that helps to run java programs.

Ans:

(i) Java Development Kit (JDK)

(ii) Integrated Development Environment (IDE)

Question.2 What is JDK and JRE.

Ans:

Java Development Kit (JDK): The JDK is essential for both developing and running Java programs. It includes the Java Runtime Environment (JRE), an interpreter, a compiler (javac), and other tools needed for Java development.

Java Runtime Environment (JRE): If you only want to run (and not develop) a Java program, you just need the JRE. It contains the Java Virtual Machine (JVM) and class libraries required to run Java applications.

Question.3 What is eclipse IDE.

Ans:

Eclipse is a popular, open source Integrated Development Environment (IDE), primarily used for Java development. It provides tools and features to make coding easier and more efficient.
Key Features of Eclipse IDE:
- **Code Editor**
- **Debugging**
- **Project Management**

Question.4 **How to run the java program in eclipse/NetBeans IDE.**

Ans:

Running a Java Program in Eclipse:
1. **Install Eclipse:**
2. **Set up a Java Project:**
3. **Create a Java Class:**
4. **Write the Java Code:**
5. **Run the Program:**

Running a Java Program in NetBeans:
1. **Install NetBeans:**
2. **Create a New Java Project:**
3. **Create a Java Class:**
4. **Write the Java Code:**
5. **Run the Program**