

* JAVA Runtime Environment :-

• JAVA Runtime Environment (JRE) is the Part of the JAVA Development kit (JDK).

• It is a freely available software distribution which has ^{java} class library, specific tools.

• JRE facilitates the execution of Programs developed in Java.

• JRE Consists of the following components :-

→ Java Virtual Machine (JVM) :- It is a program that interprets the Intermediate byte code and generates the desired output.

→ User interface toolkits :- It includes AWT (Abstract Window Toolkit), Swing, JAVA 2D, Image I/O etc. It support varied input method for the users to interact with the application Program.

→ Runtime class libraries :- These are a set of class libraries that are required for the execution of JAVA Programs.

- Other base libraries:- It includes Input/Output, Security, Networking, Override Mechanism.
- Deployment Technologies:- such as deployment, Java Plug-in, and Java web start.

- Java plug-in:- It enables the execution of a Java applet on the browser.
- Java Web Start:- With Web Start, users can launch an application directly from web browser without going through the installation procedure.