

Day:- 2

Java Introduction

- * Java is a programming language and a platform. Java is a high level, robust, object-oriented and secure programming language. using some access specifiers, private, public.
 - * Java was developed by Sun Microsystems (which is now the subsidiary of Oracle) in the year 1995. James Gosling is known as the father of Java. Before Java, its name was Oak.
 - * Platform :- Any hardware or software environment in which a program runs, is known as a platform. Since Java has a runtime environment (JRE) and API, it is called platform.
 - ⇒ Interpreter ^{Compiler also have} is helps to convert the language in java
- C lang = Compiler
 Java = compiler & Interpreter

Features of Java

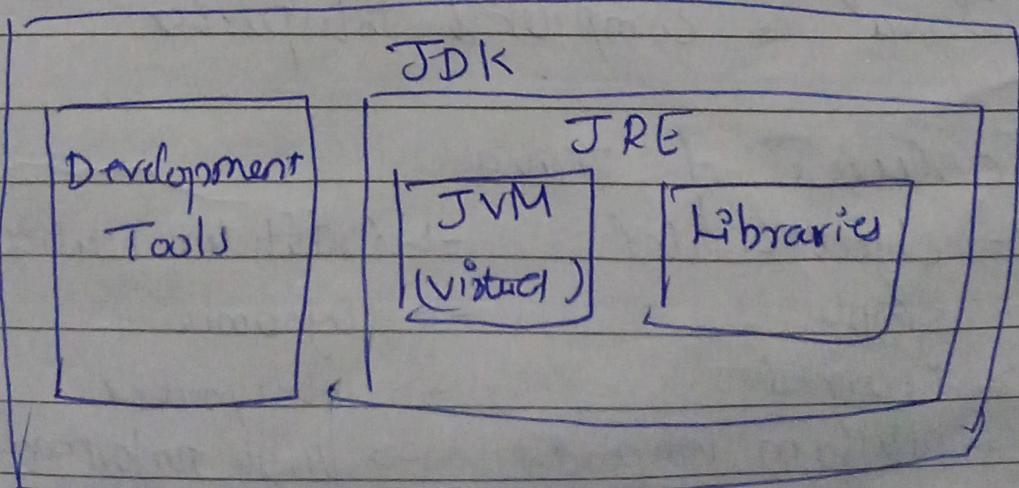
- Object oriented
- simple
- secured
- platform independent
- Robust (Available, Anywhere)
- portable
- Architecture neutral
- Dynamic
- Interpreted
- High performance
- Multi threaded
- Distributed

Applications :-

- * According to Sun, 3 billion devices run Java.
There are many devices where Java is currently used. Some of them are as follows:-
- * Desktop Application such as Acrobat Reader, media player, antivirus, etc.
- * Web Application such as iitc.co.in, javatpoint.com, etc.
- * Enterprise Applications such as banking applications
- * Embedded system * mobile smart card, * Robotics * Games, etc

Introduction to JVM, JRE, JDK

- * The JRE is an abbreviation for Java Runtime environment
- * The JVM is an abbreviation for Java Virtual Machine
- * The JDK (Java Development Kit) is a software development kit develops applications in Java

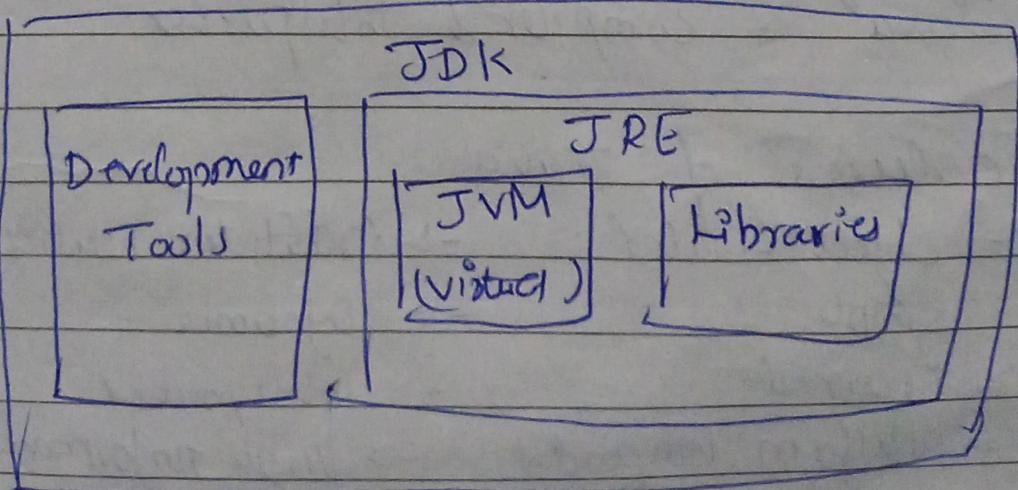


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a few other resources such as an interpreted
Lodus (Java), a compiler (Java), an archive
(jar), a documentation generator (JavaDoc), etc.
to complete the development of a Java Application.