A Short History of Java

- It's all started with making modern software technology to consumer electronics.
- The priority was reliability xost standars and simplicity workstations were weapathed lots of power and contolerate high prices. By observing their things project referred to as "Green Project."
- To make development a more platform- neutral process.

 Gosling begon by extending C++ compiler. but reliaized it will be not be sufficient. This way Oak came in mid 1991. by Sun Microsystems.
- In the fall of 1992, then project engineer Patrick Naughton after characterizer as married work Oak, the Greek OS, UI and hardware, the green project delivered "X7", the PDA like device "hardheld remote control".

failur-But tême-warner devied settop box OS and video on demad 97x technology.

- In 1994, Naughton and fellow den engeneer Tonathen Payme finished weiting WebRunner a web trowser. In 1994, it is also remained to Java due to trademark Pssus.

 In 1996, Java 1.0 came in for first public Remiplementation.
- In 2010, Oracle Required du microsystems.
- Jova slogan is "Write Once, Run Anywhere".

Java Language features

Although primary objective of Java is simple, portable sand security. But apart from it has mattiple feartures -

Pt. Platform Independent

- · Simple
- . Object Oriented
- . Secured so per coming spel starslet
- · Robert 100 00 of hearter bejorg
- . High perfomance
- . Dynamic (1) grabulks of mogad gulloge
- · Distributed
 - thoughter and formed like the · Multithreaded

→ Which version of Java should I use ?

De always ure version of Java which provides long term support. to make product. so they

great & rid of 1992 to jong of the part of elot est mi

way many problems can be avoided.

If you wants to une lotest freature, you con me lotest vession. But it is always u Stick with LTS.

eg, Java 8, Java 11, Java 17, Java 21 thess are all come with LTS. 5

JDK Installation Directory Structure

ture ve au looking at 1.8 Java directories.

- /jdk-1.8 Root directory of JBK software installation. Contains copyright, README, Licence files. Also contains STC. zip, the archive of source code of Java platform.
- /jdk-1.8/bin Executables for all the development tools contained in the JDK. The PATH environment variable should contain an edy for this directory.
- /jdk-1.8/lib files used by the development tools. It includes tools, jan which contains non-core classes for support of the tools and utilities in the JOK.
- /jdk-1.8/jre-Root directory of the Java Runtime Environment wed by the JDK development tools. It is implementation of the Java platform. It refers to java home system property.
- /jak-1.8/jre/bin Executable files for tools and Libraries used by Java
 platfom.
- /jdk-1.8/jre/1ib- Code laboraries, property setting and ressource files wied by the JRE.

components that provide many with capabilities .

It is approped both libraries of related classes & lakerfues

Known as parlague.

About Java Technology

Java technology is both a programming language and a platform

The Java Programming Language

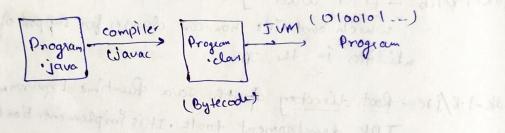
can be characterized by - It is a high-level language that all of the buzzwords.

Simple

Distributed. Portable Robert

· Object Oriented · Multithreaded · Dynamic · Secure

· High Perforance . Architecutre neutral



java launcher tool oruns you application with an instance of the in M.

The Java Platform - A platform is the hardware or softwar environment in which a program num.

It is different for all OS. (consist combination of as and underlying hardware

It has two components -

. JVM - It is barn for the Java platform

. Java API - It is large collection of ready-made softwar components that provide many uneful capabilities. It is grouped into libraries of related classes finterfaces

Known as packages.

Coding Assignments

Hello world program -

public class Main {

public static void main (string [7 args)}

system.out.println("tello world!");
}

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