suboduction to Java!

* Java is a programming language and a platform. sava is a high level, robust, object oxicaled and recure programming Language

& sava uns developed by Sun Micro &ystems (which is now the subsidiary of made) in the year 1995 Tames Grosling is known as the father of Tawa. Refore fava, its name was cak.

+: platform!

Any hardware or software environment in Since Java has a runtime convisonment (TRE) and API, it is called a platform

Features of Java:

- 1. Object osuented
- 2. simple.
- z. sewad
- 4. platform independent
- 5. Robust
- 6. Portable
- 7. Architewa Natwal
- 8. Dynamic
- 9. Interpreted
- 10. High performance 11. Multithreaded

Application!

M'According to Sun, 3 billion devices sun Java. Those ago many devices whose Towa is currently used.

some of them as follows:

* Destofop Applications such as acrobatreadur, media player, autivirus etc.

x web applications such as incte.co. in, javapoint.com.

* Enterprise Application such as banking applications.

& Mobile

T. Embedded System

of. Smoot cool

* Robotics

& Games

Indrodution to JVM, JRE, JDR

* JRE is an abbrevation for Java Runtime Environment. *. The JVM is an abbrevation for Java Virtual Machine of the JDK (Java Development, Eit) is a software development kit trat develops applications in Java.

JWY T

- * JVM is an abstract machine
- * It is called a virtual machine because it doesn't physically
- * It is a specification that provides a run time environment un which java bytecode can be executed.
- of If can also sun these programs which are written in other languages and compiled to Java byte code.
- of Jump and available for many hardware and software

* The TDE is a software development environment which is used to develop Jown applications and applications the physicially exists. It contains TRE+ Development tooks to Die is an implementation of any one of the below given Java platform released by Oracle Orporation.

(i) Standard Edition Java Platform

(ii) Enloyerise ""

(iii) Micro ""
The JDK contains a perivate Java VM and a few other resources such as an interpreter/lader tain a compiler (Savac) an archiver (jair), a documentation a compiler (Savac) an archiver (jair), a development generator (javadoc) refe. to complete the development of attown Application.