Day - 1 - Java Introduction:

what is Java?

Java is a widely used objectoriented programming Language
and software platform that runs on
billions of devices, including notebook
billions of devices, including notebook
Computers, mobile devices, gaming
Consoles, medical devices and many
others.

It is developed by sun Microsystems, and it was released in 1995.

James Gusting initially developed Java in sun Microsystems (which was later merged with braile oracle corporation.

Java:

- Simple Programming Language.
- ~ playorm Independent.
- ~ Run Multipli Application at a time.
- ~ oups based one.
 - Lary to run and debug.

 Compile time and

 Runtime Guros.

Main Feautures: open Dources - Free Version Platform Independent (will run in all os) Multi-threading. More Decure. Feartures of Java: object Oriented! Java Dupports the feautures et object-Oriented Its object model is sumple Programming. and easy to expand. platform Independent. Cand C++ are platform dependency languages here the application programs written in one operating bystems lannot run in any other 05, but in Phatform independence language like Jova application, programs written one operating system on and no your on any Os.

Sumple :

Java has included many fearthures of CIC++, which makes it easy to understand.

Seure:

Java Provides a wide honge of protection from virus and malicius Programs.

It ensures that there will be no damage and no sewrity will be Broken.

Portable. "write once, runs anywhere"

Java Provides us with the Convept

Running the Dani program with java on different platforms it possible.

During the development of the Robust: Program The helps us to find possible.

possible mistakes as Doon as possible.

Multi- threaded:

Multithreading programming Jeantine in java allows you to write a program that performs several different tasks

Bimiltaneously. what is an IDE?-Integrated Development Environment-It is a Vojware application that helps Programmers develop Software Code efficiently (or Enables Program).
to writing a computer program). It increases developer productivity by compining capabilities buthas software editing, building, packaging in an testing, and packery", application. easy-to-use *Notepad: * Eclipse IDt: CCStarting - 3.2, Curvent-14.23, blandard - Osuggens 4.7)) + Netbeans Jdeveloper Rod Java Environment: JDK - Java Development Kit It is a bundle of Software Development tooks and supporting librarios combined with the

JRE and JVM whenever we want to sun or develop a program in java Tok is essential. Starting 1.0 current 121 standard JRE, is a Goffware layer that Juns on top of a Computer operating Juns on top of a Computer operating System It provides the class libraries for sond other resources that a specific needs to run. Java program JVM - Java Vurtual Machine: Java Vintual Machino isa vitual Mouhine that enables of written to sun gava programs whiten in as well as program whiten in that are also other larguages that are also compiled to Java byte water