Security Tres its Java RE Appen Tum JUM \* class Loader adds security by seperating the package for the classes of the local file eystern from those, that are imported from network \* Javer is factor than tradétional interpretation due to the concept of Byte code Distributed Java helps in creating distributed application with the help of RMIC Remote Muthod Invocation) 8 : EJB (Enterprise Java Beans) Multithreaded A tersead 9s like a seperate program executing The main advantage of M.T is that it
shares the same memory space. Threads
ose imp for multimedia, week apps etc.

function Overloading or Polymorphism Polymorphism means having many forms In nove de message or data can be processed in mose than one from with the help of function polymorphism or Func. Overloading onne to mariner, can give the same name to more than one func. having -> The programmer can concentrate more On the logic of the program instead of remembering Deff. funct names webich can sewe time and effort. Inheritance - It is a mechanism of deviving a new class The existing class is called as Base class or super class and the new class called as Derived of Subclass. -> It is also coulded A Rindof or IS-A relationship -> Reusability is an Pomp concept of DOPS Rouse of a class that has been already rested, debugged and used many times can save us the effort of developing and distinct ninning them again. Differentiate blue objects and Derived classes. Objets have exact characteristics of their class Derived class Poherite some characteristics from their base class but add new ones of their own

class Example 1

public static void main (String ang []) Systemout. Printly ("This is first Java prog"); Comments (i) /\* -- - Multipleline Comment Il Singleline Comment Documentation comment /\*\* \*/ Decumentation comment is used to produce on HTML file Name of the source file should be the same It as that of the class. souvel file is called as compilation unit D' In Java, all code must reside inside class. ) Java is call sensitive. classica keyword and Example is a Edentifier ushich represents name of the class. Javac Frample java > This is for compiling Compiler Source file Jan Example > This is for output. Name It is also called as Java application launcher or interpreter. Public keyword is an acrest specifier which state that a member can be assessed by code Dutside its class.

100 + -> concertenate string. keyword static means main () can be called without creating any instance of void means main () does not seturn a String is a class, Here, the parameter is argument which is an array Instance of class string. System is a predefined class that provides access to the system.
Out is the output stream i e connected to the console All statements in the java end with class Examples [ public Static void main (String ergs []) 9nt num;

System. out. println ("this is num; "thou system. out. print ("The value of num\*);

System. out. print ("The value of num\*); System. Out. println (num); This is num 100 The value of num 1 is doo Note:

Page No. point en outputs a neueline wehere as point does not output a neueline. irst converted from an integer Stoing equivalent and then concatenate weth the string preceding it This is a simple Java program.

Call this file "Example.java".

ss Example {

class Example {

// Your program begins with a call to main(). // Scrople leve comment

public static void main(String args[]) {

System.out.println("This is a simple Java program.");