Pushpala Thakun Assingment - 6 1 what i's method overloading in java & explainit with example & + Method oversiding in Java means same name same parameter of method but present in differen classes. It is used to provide sperific implementation of a method which i's already provided by i't superdy method overiding is suntime polymorphism eg. class Ag public void bike () 5.0.pln ("Yamha"); class B & public void bireel) 5. 0. pln (4 pamaha); public class relain p.s. v. m (sking args []) A ob = new A ();
B ob1 = new B (); A. bile O; B. bilke ().

1) what are rules for method overloading resolution in java ? How does java detamine which overloaded method to call ? method overloading is the method which have same method hame same return type but definadely have diff parameter list. so it is railed method availeding. it is call compile time polymorphism. class Avehicle E sming name; int model;
public void bike (String name) this name = name; public void bilce (int model) this model = model; public class relain p. s. v. m (String args []) vehicle ob = new vehicle (); ob. bilke ( " Yamaha"); ob. bilce (215).

1 what does static keyword Imeans of - explain diff bett static and non-static create object when we are voling studio Keyword then we don't have to theate the object of class to call that class. And inside stubic class static members and only used if we define non-static inside static class so it will give ut compile

static po-otatic no-gtatic O for calling static O to for calling non-state class use don't have to use have to create shirt

create object of it of it.

Donly stubic field Doth stubic & hon
can involved in stubic variable & field

static class else give can be called in

compile time error A can static methods can be overloaded & overidden in java? how are static variable shared across mutiple instanced + In java static methods can be overloaded but not oversiden. They can have different parameters while having the same name in the same class or they act on the class iteself not as object static variable will be consider as global voriable which will be accessible in class if want to weit Rom mais class also so there is an

need of to go to class & charge the valie of vosible particularly. what i's note of static key word in context of memory management The static keyword in java mainly used for memory management. the static keyword in java i's yed to shore the same variable or method of a given class. The over can apply static keywords with variables methods blocks and nested closses. The stunic legy t belong to clar than instance of clas it can be called without creating the instance of class static variables are shared among of all instances, reducing amount of memory required. 6 what is significance of Final Keyword in In fava final Keyword is used to indicate that variable, method or class cannot be modified or extended, here are some of it characteristics: Final uniables: when a variable is declared as final, it value cannot be changed once it has been intialized when we declare final keywore using uniable so that value cannot be modified otherwise it gives an error. an a final method be overidden in subclass & how does the Final Keyword affect voriable, methods, and classes, java ? final method cannot be overide or

overload becor it is unchar immutable and also cannot inherit so it will be lost as it has been instantistated at the beginning (8) what does keyword present in java? how is this kaywood represent in fava? + In java programming lavaguege a keyword is any one of 68 reserved words that have a predefined meaning in the language. Because of this programmers cannot use Keyword in some contexts , such ay names for voriables, methods, classes or as any other identifies. List of Java Keywords! Dabstract :- java abstract keyword is used to declare an abstract class. An abstract class can provide the implementation of the interface. (2) boolean :- used to declare a vasiable of a boolean type. 3 preads + preads Kayword is used to break the loop or switch statement This keyword !- This keyword refers to carrent object in a method or consmictor The most common use of this keyword is to eliminate the confusion bet class attributes and parameters with the same name

3) what i's narrowing & widening in conversion in java ? & Namowing : Conversion of a higher data type to lower one is called namowing type costing. It is also known as explicit conversion or costing up it is done manually by the programmer ! I'P we do not perform costing the compiler reports a compile-time emor. widening: - conversion of lower one datity to higher one is called widening typecosti also known of implicit conversion it done manually or automatically if we do not cost gives emm (1) provide example of namowing and widening between primitive datatype Example of widening conversion int c = the b Example of namowing conversion byte b = (byte) (;

a how does java handle potential toss of precision during namowing conversions explicit type costing also known as namowing conversion occur when you convai at a larger data type to smaller datatype. This type of costing require a manual operation using the target data itupe in parantheres. Since there is possibility of data loss java requires you to explicitely specify this conversion. THE PARTY OF THE PARTY OF THE PARTY.