18-06-2024 (李教教)。在李孙子会从14 -> package srieja; public class Demo statia voul say Hello () System. out. println ("hello students"); The state of the s

tackage vruja; the contract of the section of hublic class sumo extends demo in a material till eager fullie void saychello () System out printly ("chello students"); public state void main (string () vigs) Sums. p= new Sumo (). p. say xello; p. say chillo e; hello italents chello students! -> package erogà; fullie class nemo extends sumo Jullie void say Bye () hella students chello students System. out. println ("Bye students"); bye students Jubble state void main (string () args) Mamo. m = new Memo; m. say Hello (); m. say chello (); m. say chello ();

differences between Method overloading & Method overriding;

METHOD OVERLOADING

Reasing same name for different methods with sufferent number of arguments or with different type of arguments with suthout same return type within a class is called method overloading.

- -> No method hilles no another method
- -> Enharitance is not involved
- -> It is a statu Polymorphism

METHOD OVER RIDING

Super & sub-class methods with same number of arguments, with same type of arguments 4 with same return type is called Mothod overriding,

> sub-class method hides super class method

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> Inheritance is involved

> It leads to alynamic
Polymorphism

with the state of the state of

Super: - It is a keyword of Java used to access super class, members & methods.

Ex: parkage croeja; fublic class Demo E

int a=10;

void say Hello () {

system. out. fountly (") emo Hello");

```
-> hukoge Szuja;
                              1/1, - Suino Heleo 2010
   fullic clais same extends bomo
                              Denie Hello
 2 Ind a = 20;
                              Jun 1

Am 1

Am 1
  public void say Hello ()
 a the special of the second second second second
     System out printle ("suma Hello" + a - super. a)
      super say Hella ();
                              salbut da wate wi
     Juli Hate Void main (string () args)
                                   ANT WEST, AT
         p. say Nella ();
                                    what when I
     Miles & Marie B. C. Astrontin .
                                   he is complished a
CONSTRUCTORS ROLES IN INHERITENCE => - 100 11
-> When sub-class object is ovaled most only sub-class constructor
  dut also super class constructor is called.
-> 1 ct super class constructor word is executed after that sub-class
   constructor word is executed.
```

who let want .

SUPER(): - It is used to access super class constructor. It must be a 1st statement within a constructor. invision mini AMORE Months among authorities Demo java -package course 大学 新文学 100 mm public class dams { Live y to have int a; public Demo (int a) { this (); System out: println (" demo 1 ary con ") (" demo default (on'); public Demo (1) 5 system out fountly (The transfer of the same of th Commercial Land

```
the a suitable of country and comment
 parkage comja;
 fullie class sums entends Damo &
                                    org - orginment
   int x;
                                   ans = constructor
  public sums (int n) {
     super (5);
      System out printles (" sumo 1 weg cons")
   public sumo (1) 2
       this (5);
       System out printly ("sumo def constructor");
  fulle state void main (String () args)
     Sume p=meir sumo ();
```

* converte * dietrait

ABSTRACT () & ABSTRACT CLASS;-

A method without body is called alutract method [alutual ()]

Syntax: attestract (ste alutrad returntype mame (--);

If a class containing any abstract method then the class is said to be abstract class. I it should be declared as abstract

abstract class name

abstract returntype name ();