```
Mornob Over conding: - Rewing same mame for different methods with different number of arguments [OP] with different type of arguments with (OP) without same der trotorn type within a class.

It is a static polymorphism (OP) compile time polymorphism

Ex:
```

-> package sraeja;

public class Demo {

void add (int a, int b)

{

System. out. printly (a+b);

Void and (float a, float b)

System. out. println (a+b),"

Julilie static void main (string [ 7 args)

Demo p=mur Demo(); p. add (5,6); p. add (2.5f, 5.2f);

% :- 11

7.7

et have at having

United the Contract of the United States

survive all maint

boxe bilds still

light become a

this heyword -> Members & Mothods [410841] this () -> Constructor [this method)

materi chos munha

found to work of

To good number / nethod create a mothod object

STATIC: It is a keymord of JAVA. Et can be placed

- -> Before a member
- -> Before a method
- > Before a class

## 1. BEFORE A MEMBER:

STATIC MEMBER: - If we place static beginnerd before a member is called static member.

Ex:- static ent a;

An objectless member is called static member.

only 1 copy of member is created for an entire class eventhough We have any number of objects.

1 12 miles

If we effect in robject it reflects in another object.

It is created before main execution start.

It can be seemed !-

\* without object mame

- or with object name
- or with closs name

for the party of the production with the court of the cou -> package serelja; Comment of the distribution of the control of the c public class Demo { 11 dass unt a; 11 object static int b; public static void main (string, c) args) 11 with the same Demo p= new Demo (); Light that Demo q= new Demo (); police during since Demo I = new Demo (); P. A=1; q. A=2; n. A=3; this has been System. out paintly (" " + p. u+ q. a + n. a); Pip = 10, ex muto ( study ) without , but my ? System. out. println (" "+ p. b + q. b + 1. b + ) emo. b); tights state the world the state of the 0/1:- 123 roger inifley ci

10 10 10

```
STATIC METHOD: - An objectles method is called static method
       static sutwentype name (--)
                                                                                                                                                                                                                         FRANCISCO DE LA CONTRACTOR DE LA CONTRAC
           It can be accessed with object name; without object name.
                                                                                                                                                            tomat pumper beautiful
> hockage isreja;
                                                                                                                                                         comment and to profit
         fulli class demo
                                                                                                                                                          (1) and (1) in a constant
                                                                                                                                                       大は代になるとうことをより
                                  statie void display ()
                                         System. out printle (" student sore not participality ");
                                   public static void main (string [ 2 args)
                                           Domo display ();
```

%. student are not participating

IN HERITANCE: It is a process by which I class objects acquires the proporties of another classolyect.

TYPES OF INVERITA NCE = ?







