7/7/2022 Kun time Polymorphism (Dynamic binding) > RTP is also called as dynamic binding because the method call statement to a non static method is getting connected to the (binded) method defination at compile time but the decision is Janging at suntime. It is a type of two time polymorphism when both the method overxiding Povent class as well as child class having same signature hon static method at the time of execution with child object, child class method body ovorsides parent class method body. This is whown as duy will what propert java. method overviding in status void grant (at 8) eg: class parent (4+5) 10 1 void n() 1 sop (" parent class non static method"); child park (200) class extends method parent Panent. Peant (200):

super. n(); // caeling parent class method by using "super" keyword.

1 sop (" child class non-static method");

3

```
Wild gb = new child();
          ob. 4 (); // child class method will execute
        [ parent P = new parent (); {
            P.h(); // since pies parent object
                     1/ parent class method with execute
                 Non premitive type casting.
> Type casting means converting from one type to another type.
> FOX pargorning exemitive type casting the datatypes should be
compattabile (similar)
> For porforming non-premitive type carting blw the classes parent
dild relation should be there.
    Non premitive type carting (2) types:
       > upcasting
                           fred is but today in such while
         -> down casting
                                   Down costing the upcasted object.
```

> upcasing is the process of converting child type object into > upositing can be done implicitly. > once uprated it is not possible to access child class members using the upcontal object. (oversiden method can be accused) > Daincosting is the process of contenting the upcasted object into > Down casting it connot porform in implicitly, it should perform child conta type again. explicitly by use type caste operator.

> It is not possible to porsom downcasting without personaing Note: > upcosting is performing to achieve generalization > devoneating is performing to achieve specialization. > I we tries to perform non-premitive type casting b/W unrelated classes (no parent child relation) we will get class-coste

theren k

clarscarte Exception

```
class A
  ( void examples)
   1 gop (" A close method");
    30P (" parent class is B");
  class & extends A
   1 void example ()
   1 sop ("B class method");
     sop (" dild class is B");
   void own ()
  1 gop ( child class method -);
    30P ("do helle from own method");
- psum ()
 // B ob = new B();
  11 ob. example (); // child class method will execute
     A a : new B(); // weesting statement
    1/ a. Own ()// will produce compile time over because · own () is
       B obj=(B)a; // dawncosting statement
      Obj. owh(); // will executing, because obj is a dasreasted object.
```