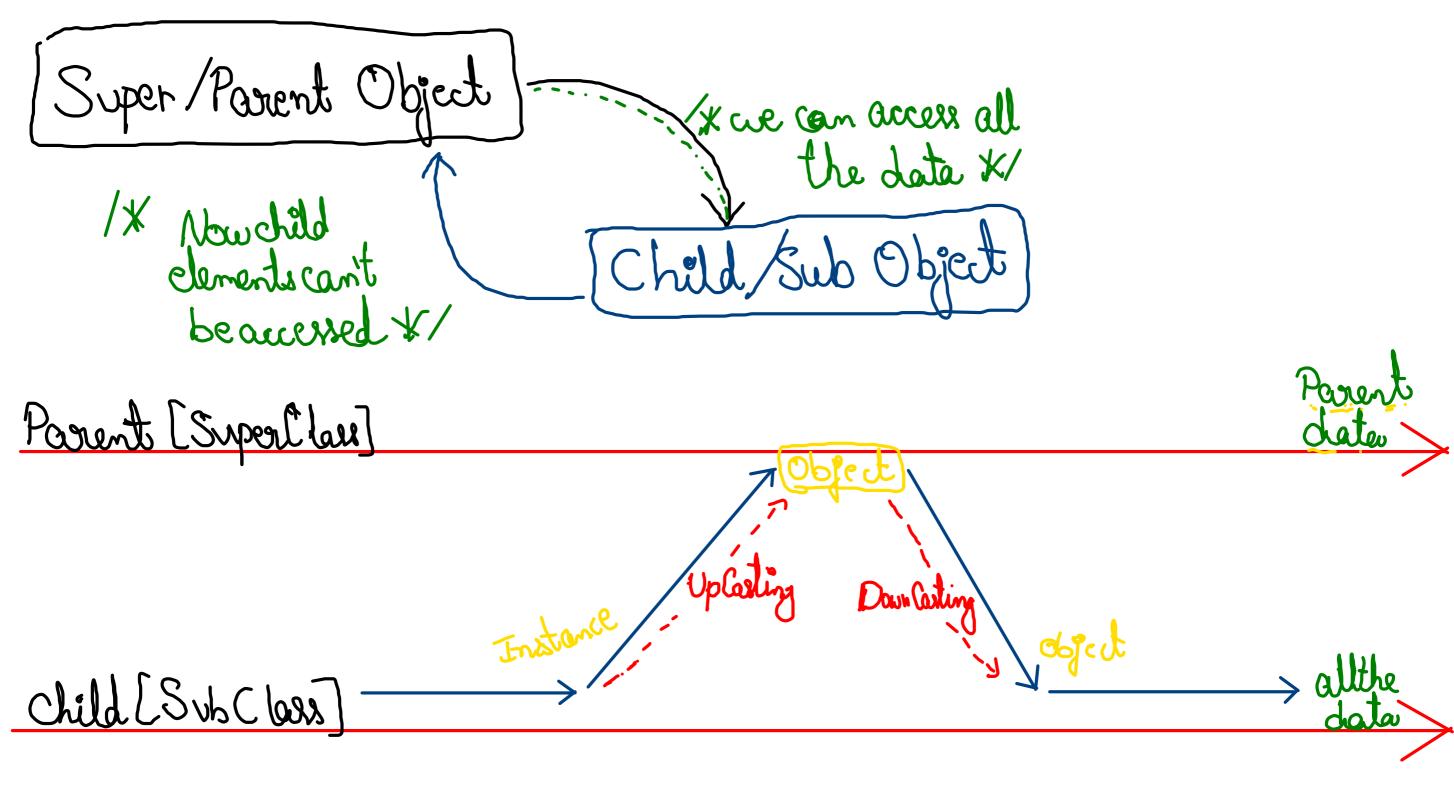
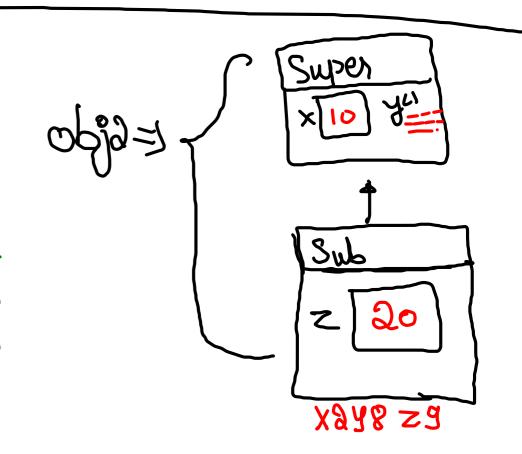
	Datatype	→ Variable =	- value °
Poin	datetype Keywords	->[Var Name]	- Literal Value;
Non Poin	Class	- Object reference variable	_ Instance

Objects Type Cating Non Perintue an object can either be changed to subtypeor supertype. Super parent upcarting into povent à up carting & it is implicit Object/Instance iil Down Cesting: Converting a parent object into dild is down cesting & it is explicit. downcasting Subjell

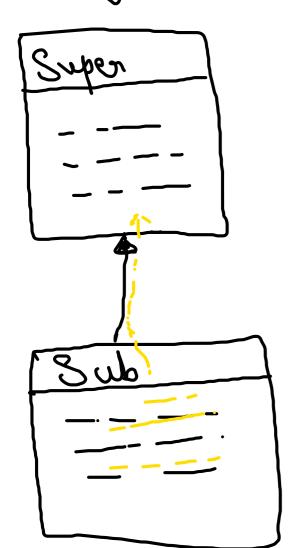


Inheritance

Super obj 1= new Super (); /x parent Enstence only Sor parent dates x/ Sub obj 2= new Sub (); /x clild instence sor both Parent & child dates x/



Up Carting



Sub obji=new Sub();

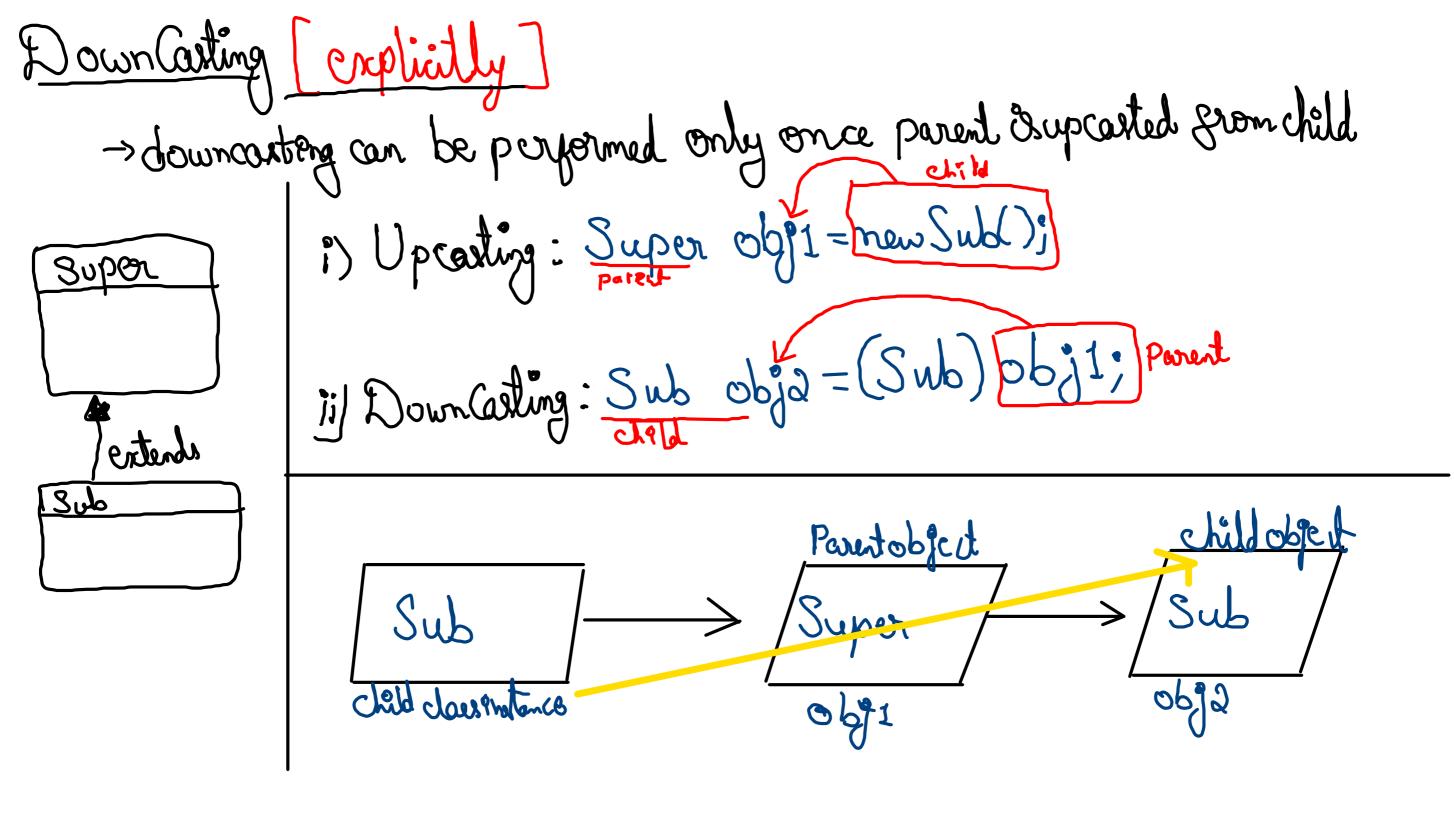
Super objet : Obj 1:
Parentobject, child object
upcarted

-> a child instance is now moved to pavet object would be how compact access child dates.

→ upcasting & implicitly performing

Objet => Parents

Obj 1=> Childintence



```
class Parent_Example{}
class Child example extends Parent Example {}
public class Downcasting { //driver
    public static void main(String[] args)
            System.out.println("Program started");
            Child_example obj = (Child_example) (new Parent_Example());
            System.out.println(obj);//Run Time Error
            System.out.println("Program ended");
         */
           Runtime Error
            Parent Example obj = new Parent Example();
            Child_example obj2 = (Child_example) obj ;
        */
        Parent_Example obj1 = new Child_example(); //upcasting
       Child example obj2 = (Child example) obj1;//downcasting
        System.out.println(obj1+"\t"+obj2);
```

