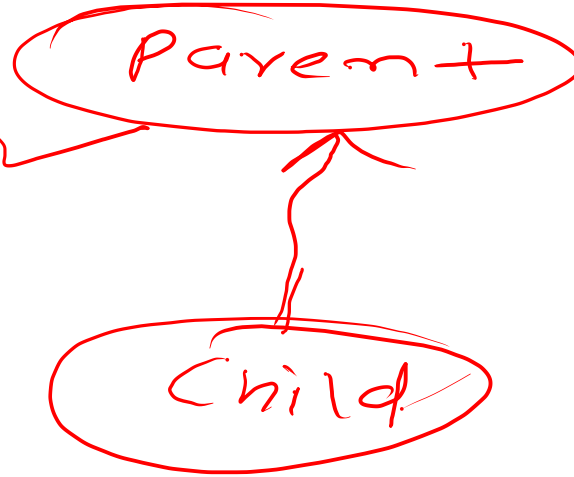


① single

walking()

{
}



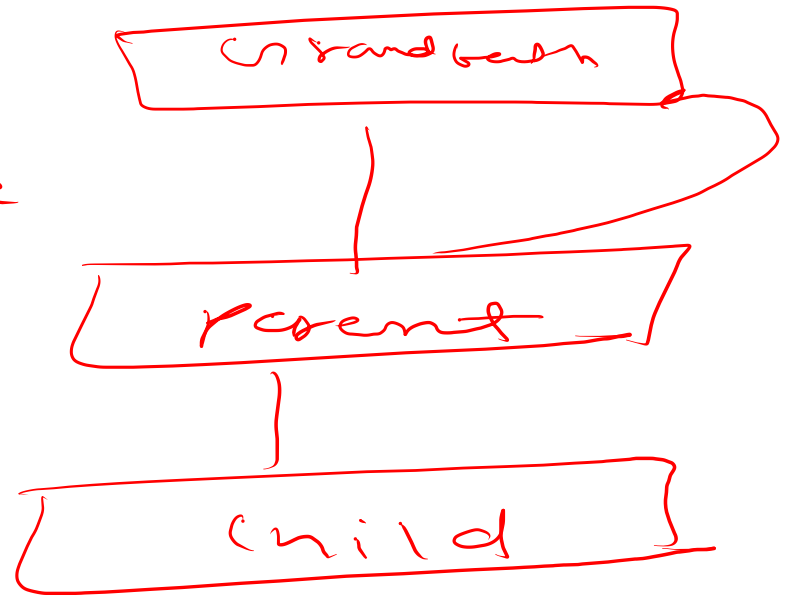
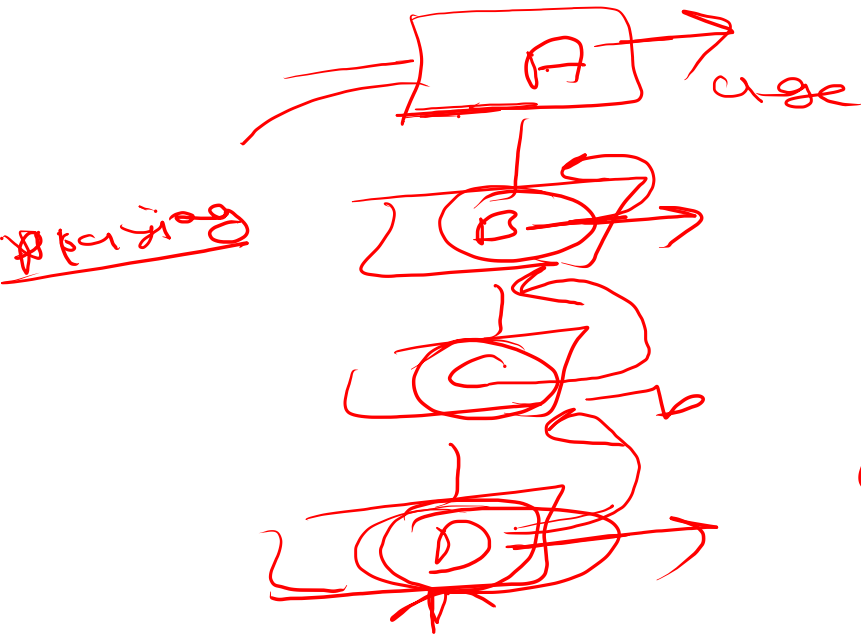
Child extends Parent {

Dancing();

}

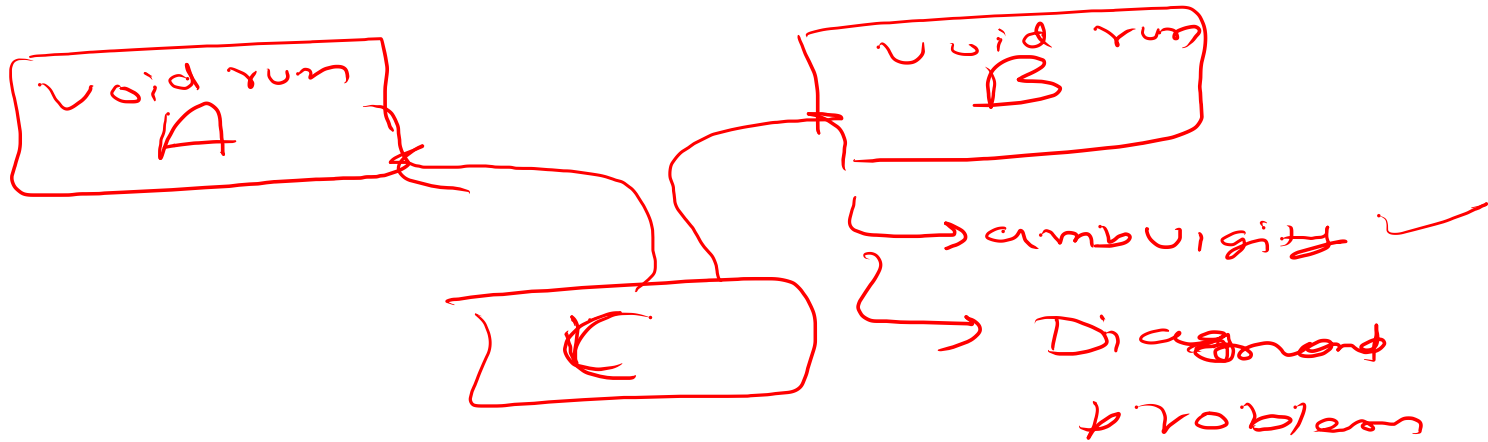
① Rev

② multilevel



③ Multiple Inheritance

It is possible by the concept of Interface.



⑤ Hybrid

It is a mixture of
single level and multiple
Inheritance.

Super keyword

+ variable

+ methods

+ Constructors

Class A {

String color = "black"

}

Class B extends A {

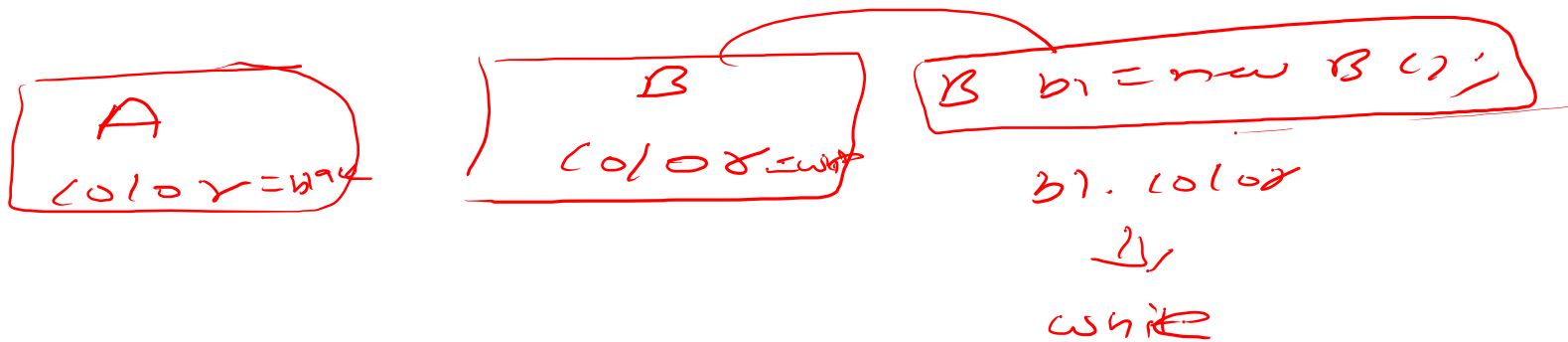
String color = "white"

}

B obj = new B ();

System.out.println(obj.color);

When we want to call the parent method, properties, constructor then we are going to use the super keyword.



super By Method

```
3 ▶ public class fullstack {  
    1 usage 1 inheritor  
4   static class Frontend{  
        2 usages 1 override  
5       void skill(){  
6           System.out.println("I know html css js");  
7       }  
8   }  
    2 usages  
9   static class Backend extends Frontend{  
        2 usages  
10      void skill(){  
11          super.skill();  
12          System.out.println("I know node express mongo");  
13      }  
14  }  
    no usages  
15 ▶ public static void main(String[] args) {  
16     Backend b1 = new Backend();  
17     b1.skill();  
18 }  
19 }
```



You are screen sharing



Stop Share

super(By constructor)

```
public class vechile {  
    1 usage 1 inheritor  
    static class car{  
        1 usage  
        car(){  
            System.out.println("car is there");  
        }  
        no usages  
        car(String type){  
            System.out.println("car is running "+type);  
        }  
        // String c = "car is running";  
    }  
    2 usages  
    static class Bike extends car{  
        1 usage  
        Bike(){  
            super();  
            System.out.println("Bike is running");  
        }  
    }  
}
```



You are screen sharing



super- By variable

```
no usages
public class sup {
    1 usage  1 inheritor
    static class A{
        1 usage
        String color = "black";
    }
    2 usages
    static class B extends A{
        1 usage
        void colorful(){
            System.out.println(super.color);
        }
        1 usage
        String color = "white";
    }

    no usages
    public static void main(String[] args) {
        B b1 = new B();
        System.out.println(b1.color);
        b1.colorful();
    }
}
```



You are screen sharing



Sto

Hierarchical Inheritance

