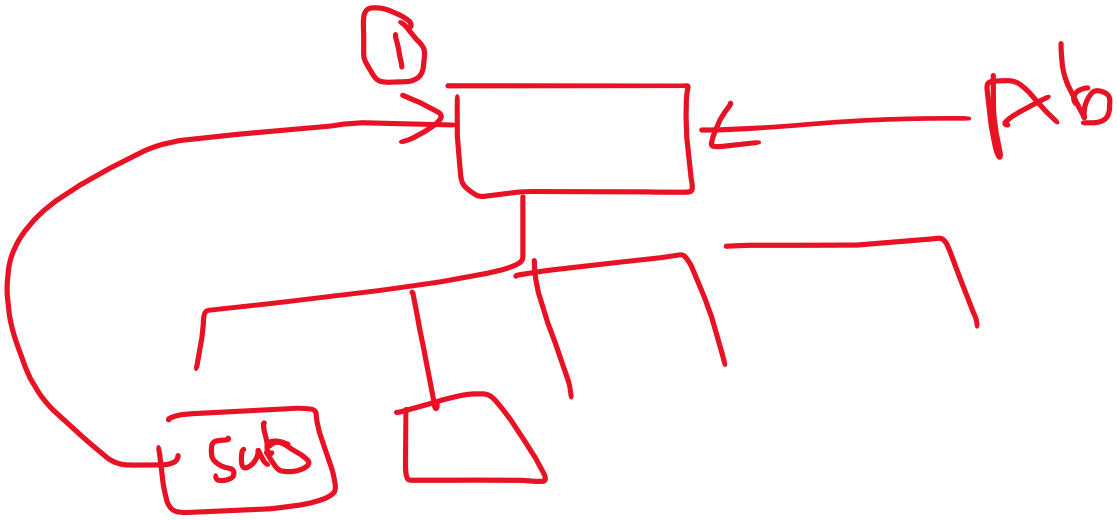
1. Array
2. Object (159-173)

```
Car car1 = new Car(8);
```

3.) Static

```
Class Car{
        Public static string color;
        Public static void colorofthecar(){
//sysout
}
}
//main
Car car1 = new Car();
Car. Color = “red”;
Car.colorofthecar();
```

4.) Abstract



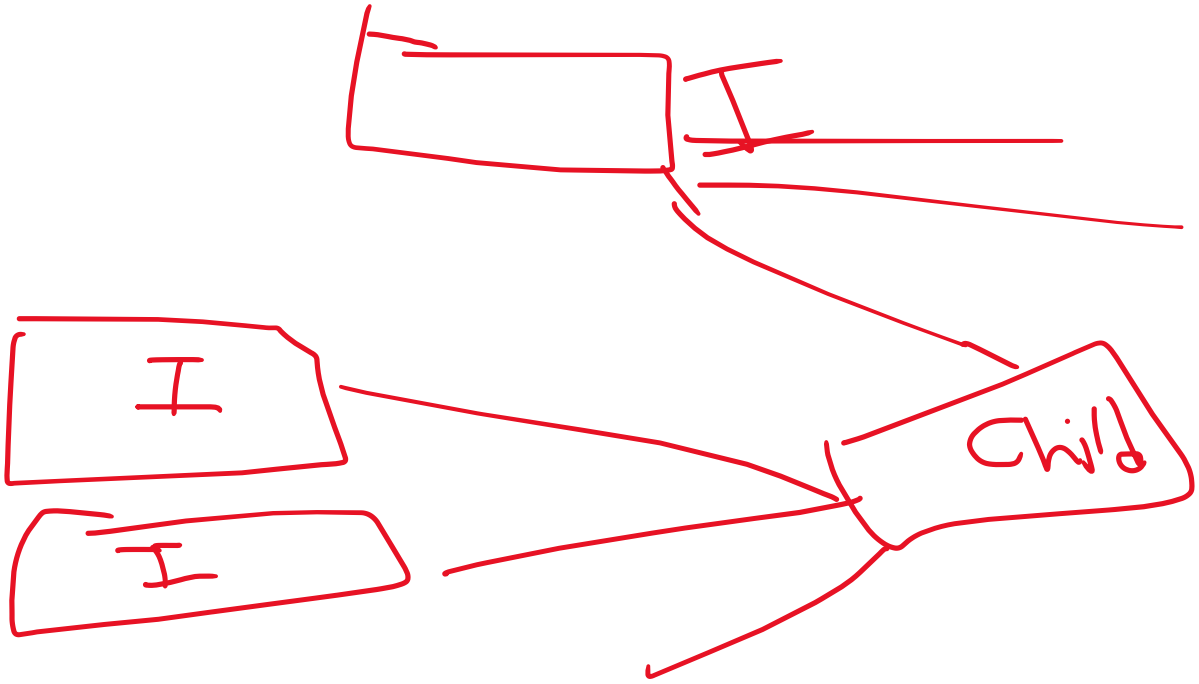
1.) Parent class Can not create object using abstract class
2.) But parent class can create instance

Car car1;

3.) Abstract methods should not implement in parent classes
4.) Abstract methods should implement in child classes.

5.)Interface

Interface .	Abstract class
Implements	Extends
Not implement all method	Only abstract methods are not implemented
Variables- public static final	-
All methods should implement in child classes.	
Access level must be public (child class method should be public)	
Interface Can not create object. But Interface can create instance	
Interface can be use many time	



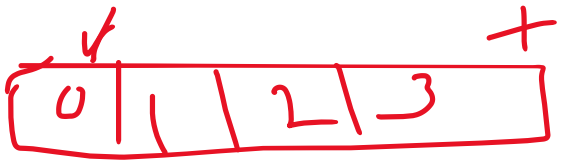
6.)Exception

ArithmeticException – divide by 0 && sqrt(-2)

NumberFormatException – String -> int

InputMismatchException

ArrayindexOutOfBoundsException – car[4]



Car[5] = “BMW”;

IOException

SQLException – DB error (project)

NullpointerException – when null string, length error

String car = null;

Int len = car.length();

Try -catch (Error handling)

throws(Error Ignore)

```
Public void printable (){
        String car = null;
        Try{
                Int len = car.length();
                Double n = 3/0;
                Sop("one")
        }catch(NullpointerException er ) {
        ///print "two"
        } catch(ArithmeticException er ) {
        ///print "two"
        }finally{
        //run all print "three"
        }
```

```
Public void printable() throws NullpointerException {
        String car = null;
        Int len = car.length();
}
```

}

7.)String