**Difference between “implements” and “extends”**

extends is for *extending* a class.

implements is for *implementing* an interface

The difference between an interface and a regular class is that in an interface you can not implement any of the declared methods. Only the class that "implements" the interface can implement the methods.

Also java doesn't support **multiple inheritance** for classes. This is solved by using multiple interfaces.

public interface ExampleInterface{

public void do();

public String doThis(int number);

}

public class sub implements ExampleInterface{

public void do(){

//specify what must happen

}

public String doThis(int number){

//specfiy what must happen

}

}

now extending a class

public class SuperClass{

public int getNb(){

//specify what must happen

return 1;

}

public int getNb2(){

//specify what must happen

return 2;

}

}

public class SubClass extends SuperClass{

//you can override the implementation

@Override

public int getNb2(){

return 3;

}

}

in this case

Subclass s = new SubClass();

s.getNb(); //returns 1

s.getNb2(); //returns 3

SuperClass sup = new SuperClass();

sup.getNb(); //returns 1

sup.getNb2(); //returns 2