

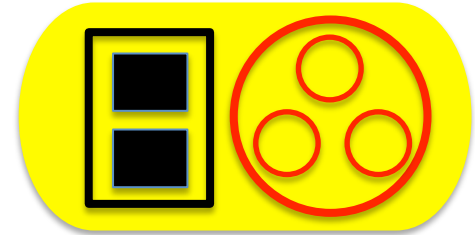
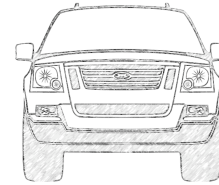
IMPLEMENTING INTERFACES



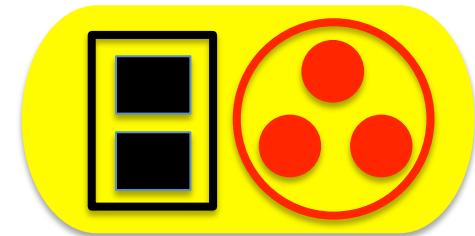
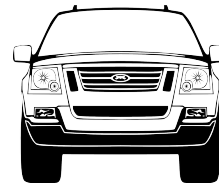
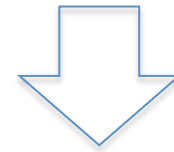
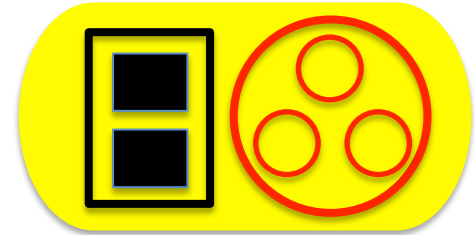
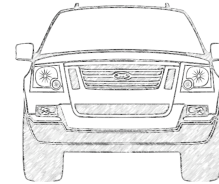
Source: Pixabay

```
public interface VehicleIF {
```

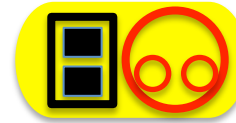
```
    void moveForward();  
    void moveBackward();  
    String toString();  
}
```



```
public class Vehicle
  implements VehicleIF {
  private String color;
  public Vehicle(String c){color=c;}
  public void moveForward(){...}
  public void moveBackward(){...}
  public String toString(){...}
}
```



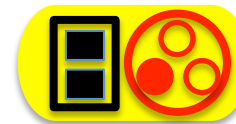
interface



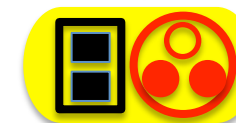
interface



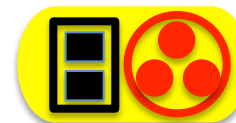
abstract class



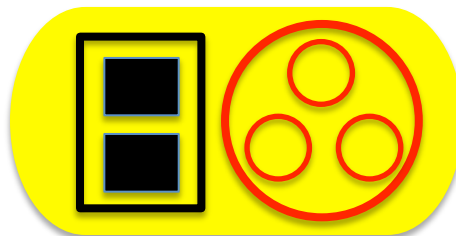
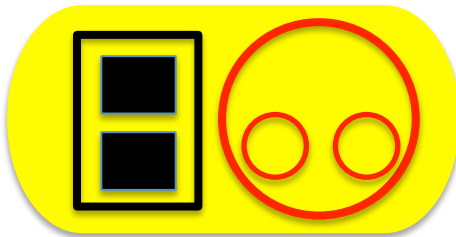
abstract class



class

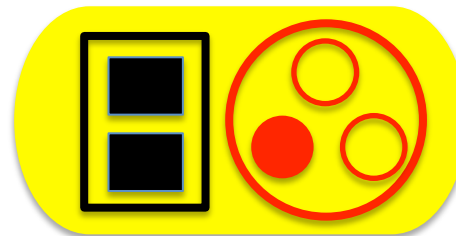
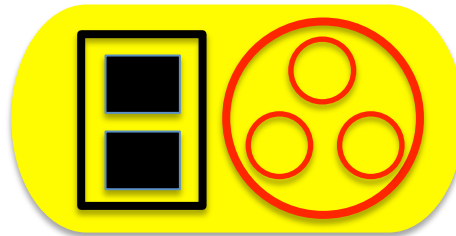


interface



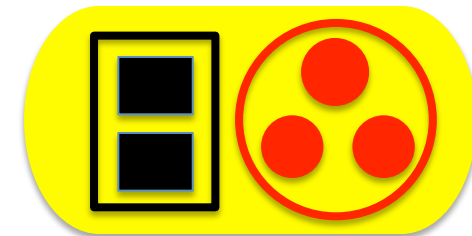
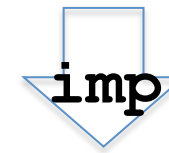
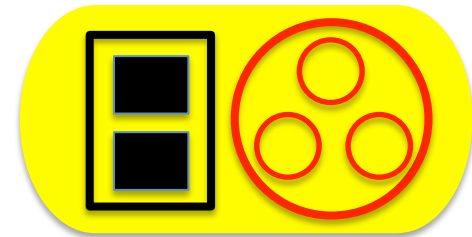
interface

interface



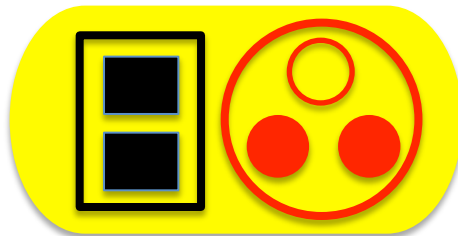
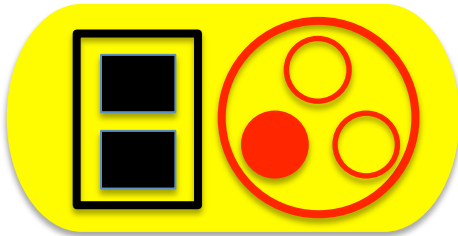
abst. class

interface



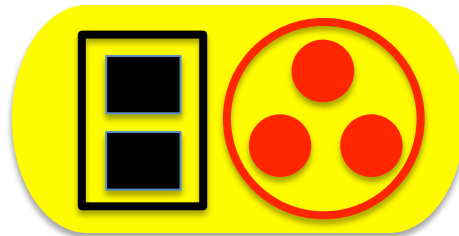
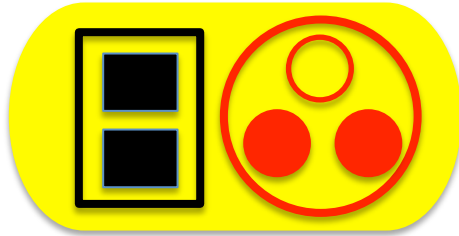
class

abst. class



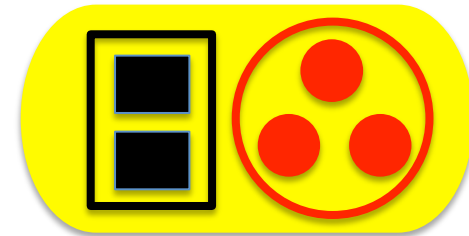
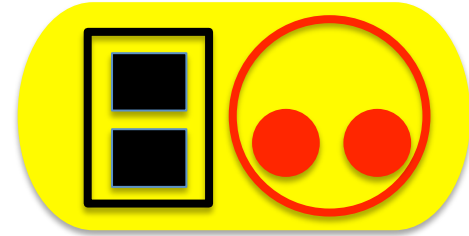
abst. class

abst. class



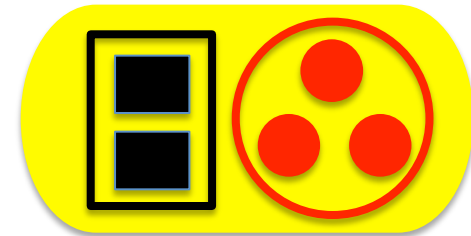
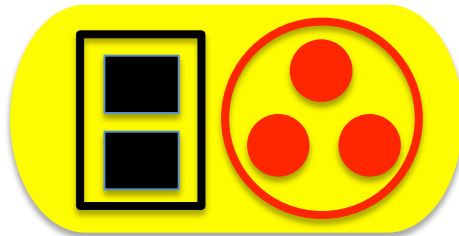
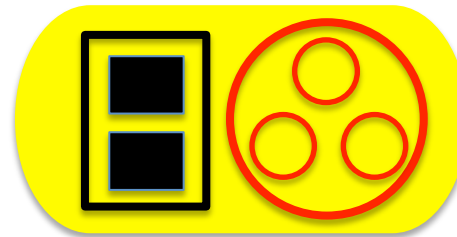
class

class

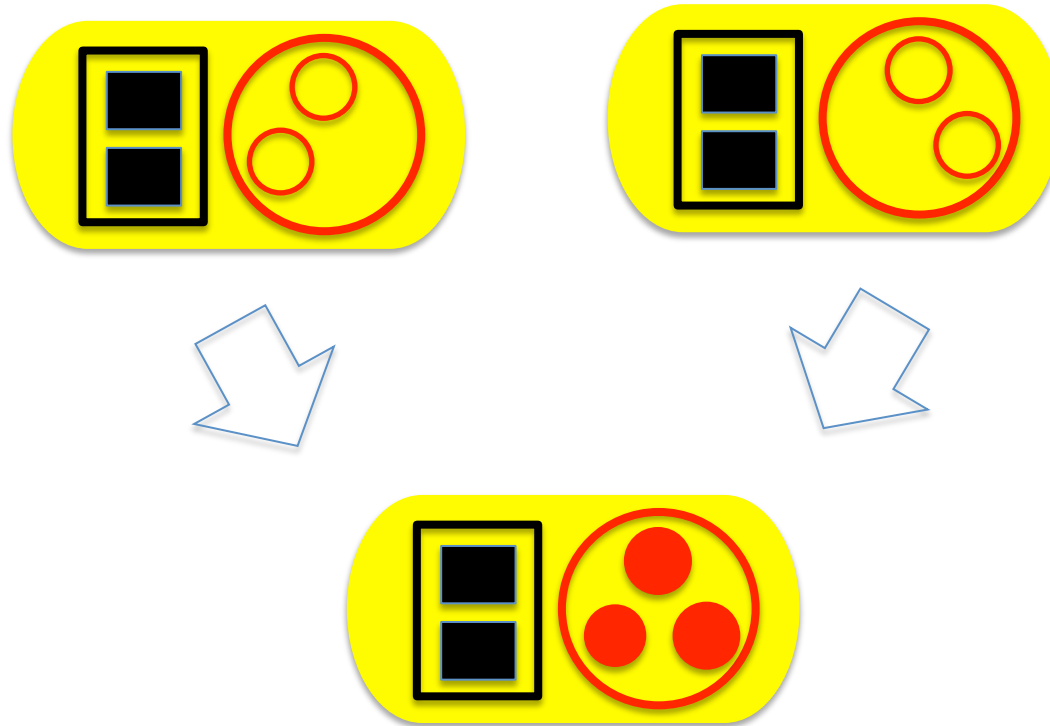


class

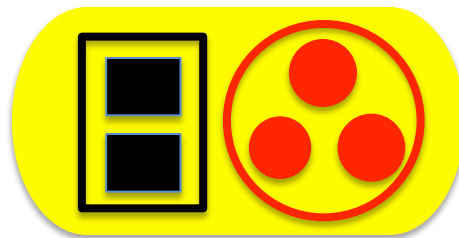
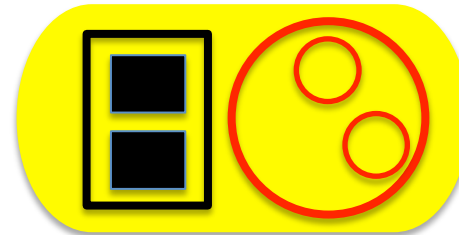
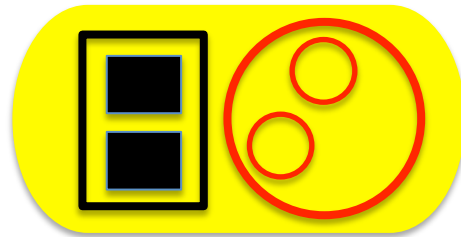
```
public interface Movable{  
    void moveForward();  
    void moveBackward();  
    String toString();  
}
```



Implementing multiple Interfaces



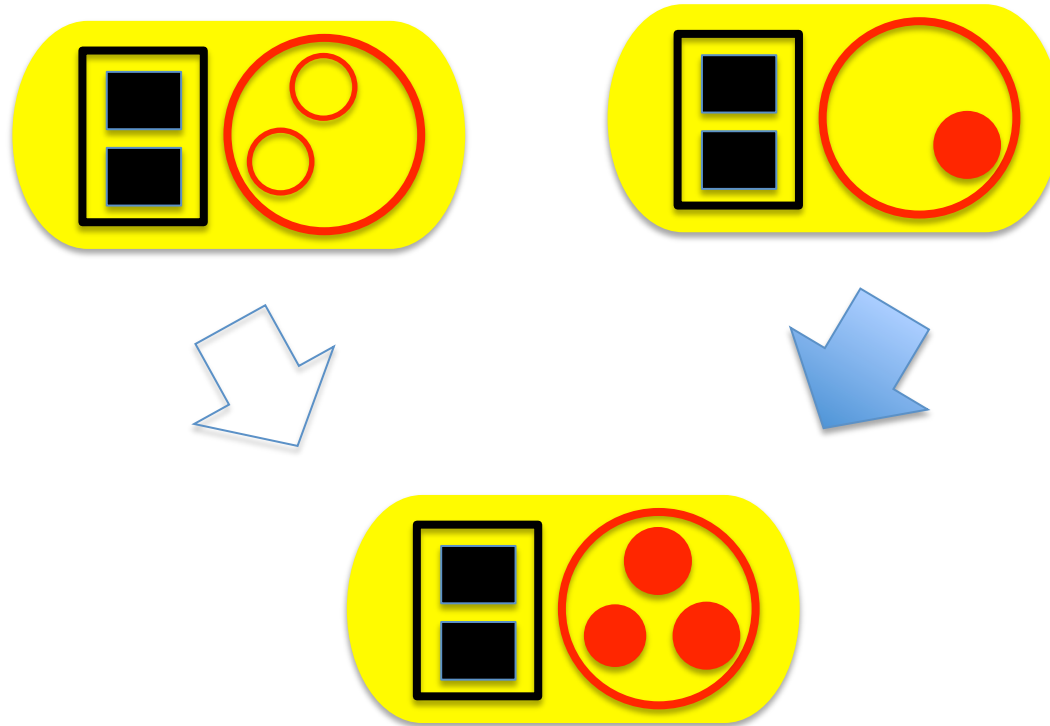
Implementing multiple Interfaces



Name Conflicts

- Same **method** name
 - Different return type: **error**
 - Same return type, different parameter types: implement **each** method (overloading)
 - Same parameter & return types: implement **once**
- Same **variable** name
 - Solved with **prefix**

Implementing and extending





Source: Wikipedia

[http://ca.wikipedia.org/wiki/Cap%C3%B3_\(mec%C3%A0nica\)](http://ca.wikipedia.org/wiki/Cap%C3%B3_(mec%C3%A0nica))