Open/Close Principle

```
public class Users {
    private String user;
    private String password;

public Users(String user, String password) {
        this.user = user;
        this.password = password;
}

public String getUser() {
        return user;
    }

public void setUser(String user) {
        this.user = user;
}

public String getPassword() {
        return password;
}

public void setPassword(String password) {
        this.password = password;
}

@ Override
public String toString() {
        return "\n" + " user=" + user + ", password=" + password;
}
```

We first fix the name of the class "Users" by making it singular. Second, we make the abstract "User" class and two child classes "Administrator" and "Cashier".

```
abstract class User {
      protected String username;
        protected String password;
public User (String user, String password) {
              this.username = user;
             this.password = password;
    }
  public class Administrator extends User[
     public Administrator(String username, String password) (
                                                      public class Cashier extends User(
       super(username, password);
                                                           public Cashier(String username, String password) (
                                                             super (username, password);
貝
    public String getOser() {
                                                          public String getUser() (
                                                              return username;
₽
     public void setOser(String username) (
      this.username = username;
                                                     public wold setUser String username) (
                                                             this.username = username;
Ę
     public String getPassword() (
       raturn password;
                                                     阜
                                                          public String getPassword() (
                                                             return password;
public void setPassword(String password) [
       this.password = password;
                                                     public void setPassword(String password) (
                                                              this.password = passwords
    80verride
    public String toString() (
       return "Administrator(" + ')';
                                                     9
                                                         public String toString() (
                                                             return "Cashier(" + ')';
  1
```