

Generalization Codes

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GeneralizationTest Class

```
package ariful_islam;

public class GeneralizationTest {

    public static void main(String[] s) {

        Admin a = new Admin();

        a.name = "Shah Muhammad Arif";

        System.out.println(a);

        Customer c = new Customer("Shah Muhammad Arif", "Dinajpur");

        System.out.println(c);

    }

}
```

User Class

```
package ariful_islam;

public class User {

    private String userid;

    private String password;
```

```
    public String getUserId() {  
        return userid;  
    }  
  
    public void setUserid(String userid) {  
        this.userid = userid;  
    }  
  
    public String getPassword() {  
        return password;  
    }  
  
    public void setPassword(String password) {  
        this.password = password;  
    }  
}
```

Customer Class

```
package ariful_islam;  
  
public class Customer extends User {  
  
    private String name;  
    private String address;  
  
    public Customer(String name, String address) {
```

```
        this.name = name;
        this.address = address;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getAddress() {
        return address;
    }

    public void setAddress(String address) {
        this.address = address;
    }

    @Override
    public String toString() {
        return "Customer [User ID = " + name + ", address = " + address + "];"
    }
}
```

Admin Class

```
package ariful_islam;

class Admin extends User {

    public String name;

    public String getName() {

        return name;

    }

    public void setName(String ID) {

        this.name = ID;

    }

    @Override
    public String toString() {

        return "Admin [User ID = " + name + "];"

    }

}
```