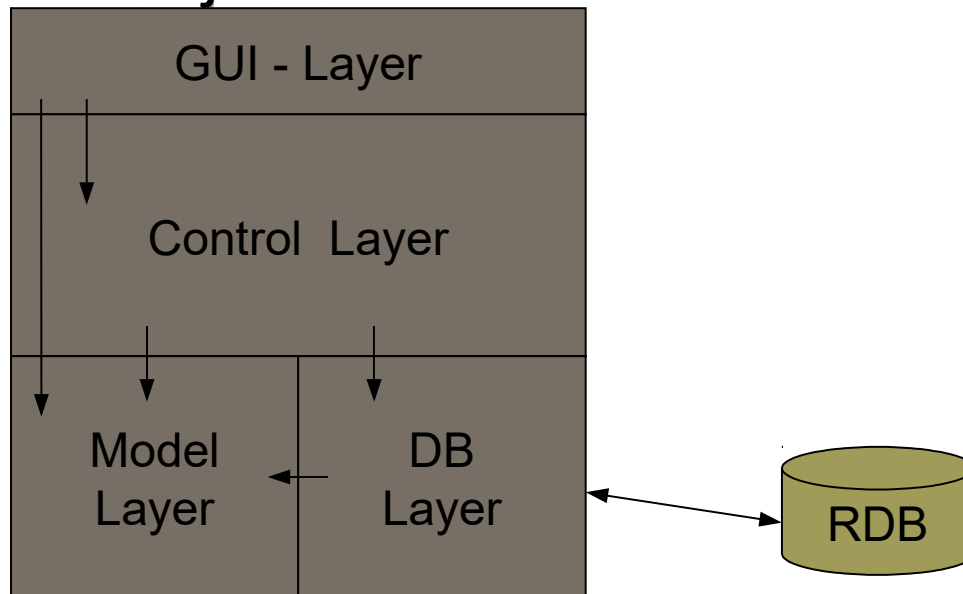


Architecture

Layered Architecture, Data Access

Objects

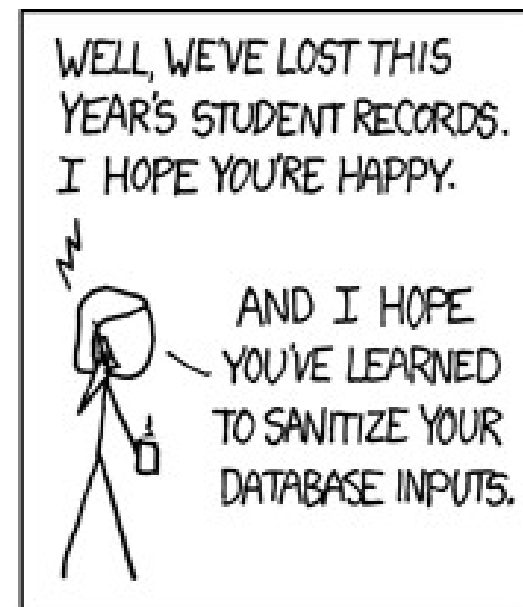
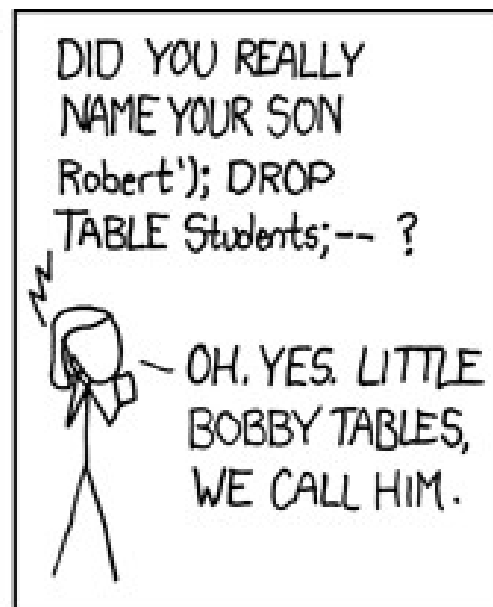
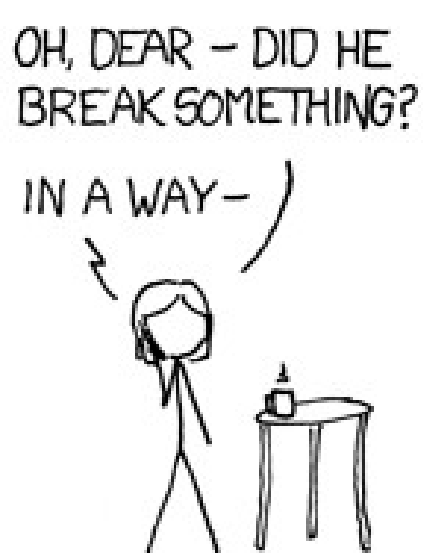
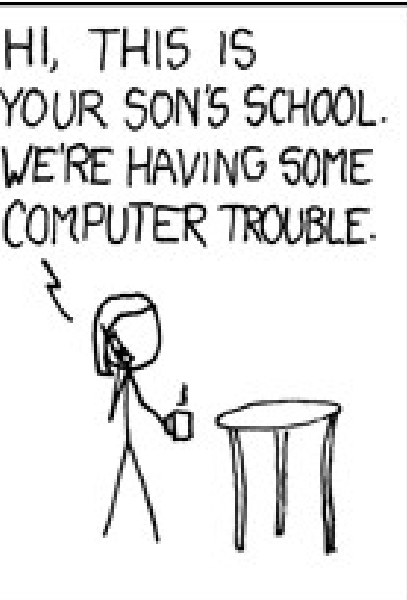


Prepared Statement (Insert)

```
String insert = "insert into project (pname, pnumber,"  
                + " plocation, dnum) values (?, ?, ?, ?)";  
  
PreparedStatement pstmt = con.prepareStatement(insert);  
  
pstmt.setString(1, pObj.getName());  
pstmt.setInt(2, pObj.getPnumber());  
pstmt.setString(3, pObj.getLocation());  
pstmt.setInt(4, pObj.getDepartment().getDnumber());  
  
rs = pstmt.executeUpdate();
```

Prepared Statement (Select)

```
final String SQL = "select id, parent_name, birthdate,  
    phone, name from students where id = ?";  
PreparedStatement ps = con.prepareStatement(SQL);  
ps.setInt(1, 2);  
ResultSet rs = ps.executeQuery();
```



Do the PreparedStatement exercise