Nama : Rachel Amelia Lesmana

Kelas : 4IA14

NPM : 51421194

#### POM

```
Projects × Files
                                                                                                              Start Page × 🚳 Pertemuan6_51421194.java × 🛍 pom.xml [Pertemuan6_51421194] × 🙆 ModelMahasiswa.java ×
Pert3_51421194
Pert4_51421194
Pert5_51421194
Pertemuan6_51421194
                                                                                                             Source Graph Effective History @ @ * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... * ... *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1
              Source Packages
                                                                                                                                                 <groupId>me.rachel</groupId>
                                                                                                            5 6 7 8 9 9 9 12 13 14 15 16 17
                                                                                                                                                 <artifactId>Pertemuan6_51421194</artifactId>
<version>1.0-SNAPSHOT</version>
              Dependencies
               Runtime Dependencies
Test Dependencies
                                                                                                                                                Java Dependencies
              Project Files
                                                                                                                                                             <maven.compiler.source>21</maven.compiler.source>
<maven.compiler.target>21</maven.compiler.target>
                                                                                                                                                              <exec.mainClass>me.rachel.Pertemuan6_51421194</exec.mainClass>
                                                                                                                                                </properties>
                                                                                                                                                22
23
24
                                                                                                                         - <dependencies>
                                                                                                                                                             - Hibernate + Spring Data JPA -->
                                                                                                                                               <dependency>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-data-jpa</artifactId>
                                                                                                              25
26
27
28
29
30
                                                                                                                                                </dependency>
                                                                                                                                                <!-- MySQL Connector -->
<dependency>
<groupId>mysql</groupId>
                                                                                                                                                            <artifactId>mysql-connector-java</artifactId>
<version>8.0.33</version>
```

#### ModelMahasiswa

```
Start Page x A Pertemuan6_51421194.java x A Pertemuan6_51421194] x A ModelMahasiswa.java x A MahasiswaRepository.java x
Projects × Files
    Pert3_51421194
                                                                                          Source History | [2] | [3] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | [4] | 
     Pert4_51421194
                                                                                             1 -
     Pert5_51421194
Pertemuan6_51421194
                                                                                                              * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
                                                                                                            * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
        ✓ ☐ Source Packages
             > 🏭 me.rachel
                                                                                                           package me.rachel.model;
                  me.rachel.model
                         ModelMahasiswa.java
             ✓ ■ me.rachel.repository
                                                                                                   ☐ import jakarta.persistence.*;
                         MahasiswaRepository.java
                                                                                                    ₽ /*
           Test Packages
                                                                                          10
            Dependencies
                                                                                          11
                                                                                                             * @author rache
           Runtime Dependencies
                                                                                           12
           Test Dependencies
           Java Dependencies
                                                                                                            @Entity
                                                                                          14
15
         Project Files
                                                                                                            @Table(name = "mahasiswa")
                  pom.xml
                                                                                                           public class ModelMahasiswa {
                                                                                          17
18
                                                                                          19
20
                                                                                                                      @GeneratedValue(strategy = GenerationType.IDENTITY)
                                                                                                                      @Column(name = "id")
                                                                                          21
                                                                                                                      private int id;
                                                                                          22
                                                                                                                      @Column(name = "npm", nullable = false, length = 10)
                                                                                          24
                                                                                                                      private String npm;
                                                                                           25
                                                                                                            @Column(name = "nama", nullable = false, length = 55)
private String nama;
                                                                                          26
                                                                                          27
                                                                                          28
29
                                                                                                                       @Column(name = "semester")
                                                                                           30
                                                                                                                      private int semester;
                                                                                          31
                                                                                                                       @Column(name = "ipk")
                                                                                          33
                                                                                                                      private float ipk;
```

```
Projects × Files
                                                                                              ıl [Pertemuan6_51421194] × 📓 ModelMahasiswa.java ×
                                               @Table(name = "mahasiswa")
 Pert3_51421194
Pert4_51421194
                                                                                               ♣ 등 열 의 ● □ 별 교
                                               public class ModelMahasiswa (
                                       14
                                       52
53
54
55
56
57
58
59
   Pert5 51421194
                                                    public String getNpm() {
 Perto_51421194
Pertemuan6_51421194
Source Packages
    Dependencies
    Runtime Dependencies
Test Dependencies
Java Dependencies
Project Files
                                                   public void setNpm(String npm) {
    this.npm = npm;
                                                   )
                                       60
61 =
62
63
                                                   public String getNama() {
                                       64
65
66
67
70
71
72
73
74
75
77
77
78
                                                   public void setNama(String nama) {
                                                        this.nama = nama;
                                                   public int getSemester() {
                                                        return semester;
                                                   public void setSemester(int semester) {
                                                        this.semester = semester;
                                                   public float getIpk() {
                                                       return ipk;
                                                   public void setIpk(float ipk) {
                                                        this.ipk = ipk;
1
```

#### MahasiswaRepository

```
📑 MahasiswaView.java 🗴 🎒 MahasiswaController.java X 🚳 Pertemuan6_51421194.java X 🔊 application.properties X 🐱 MahasiswaRepository.java X
1 - /*
       * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 2
      * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template */
 3
  4
      package me.rachel.repository;
  7 | import me.rachel.model.ModelMahasiswa;
    import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.data.jpa.repository.JpaRepository;
      import org.springframework.stereotype.Repository;
10
11 🗏 /**
12
      * @author rache
*/
 13
14
15
16
      @Repository
17
       public interface MahasiswaRepository extends JpaRepository<ModelMahasiswa, Integer> {
18
19
```

### ModelTabelMahasiswa

```
rojects X Files
                                                                                                Pertemuan6_51421194.java X 🚇 application.properties X 🔛 MahasiswaKepository.java X 🕮 ModelTabelMahasiswa.java X
  Pert3_51421194
Pert4_51421194
                                                                                     Source History | [6] → [7] → [7] → [7] → [8] → [8] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → [9] → 
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   Pertemuan6_51421194
                                                                                                       {\tt * Click} \ \underline{\tt nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java} \ \ {\tt to \ edit \ this} \ \ {\tt template}
         Source Packages
              me.rachel
                                                                                                    package me.rachel.model;
                     Pertemuan6 51421194.iava
         ✓ ∰ me.rachel.controller
                                                                                       7 import java.util.List:
                     MahasiswaController.java
                                                                                                   import java.util.List;
         ∨ ■ me.rachel.model
                   ModelMahasiswa.java
ModelTabelMahasiswa.java
                                                                                                    public class ModelTabelMahasiswa extends AbstractTableModel{
                                                                                     10
                                                                                     11
                                                                                                               private List<ModelMahasiswa> mahasiswaList;

✓ ■ me.rachel.repository

                                                                                                               private String[] columnNames = {"ID", "NPM", "Nama", "Semester", "IPK"};
                     MahasiswaRepository.java
                                                                                     13

✓ 

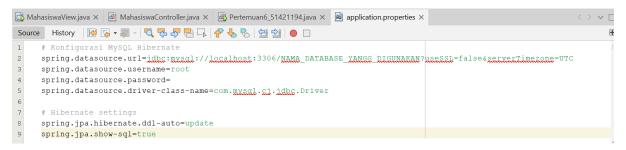
    me.rachel.service

                                                                                             阜
                                                                                     14
                                                                                                               public ModelTabelMahasiswa(List<ModelMahasiswa> mahasiswaList) {
                     MahasiswaService.java
                                                                                     15
                                                                                                                         this.mahasiswaList = mahasiswaList;
          ✓ III me.rachel.view
                                                                                     16
                     MahasiswaView.iava
                                                                                     17
    > Test Packages
                                                                                     18
                                                                                                               @Override

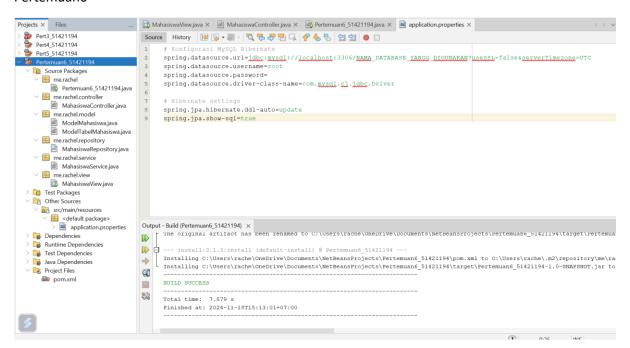
∨ ☐ Other Sources

                                                                                       0
                                                                                              Ģ
                                                                                                               public int getRowCount() {
              src/main/resources
                                                                                     20
                                                                                                                     return mahasiswaList.size();
                    <default package>
                                                                                     21
                     > application.properties
                                                                                     22
    > B Dependencies
                                                                                     23
                                                                                                               @Override
         Runtime Dependencies
                                                                                      ② □
                                                                                                               public int getColumnCount() {
   > 📴 Test Dependencies
```

## Application.properties



#### Pertemuan6



# Output:

