Nama : Riezky Arif Fadhilah

NPM : 51421307

Kelas : 4IA27

Activity 5

MahasiswaController

```
Project X Files Services

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```

Model Mahasiswa

MahasiswaRepository

```
🔾 File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pertemuan5_51421307 - Apache NetBeans ID... 🗣 Search (Ctrl+1)
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                                                                            ______...7] 🚳 ModelMahasiswa.java × 🔁 MahasiswaRepository.java × 🏚 MahasiswaController.java × 📦 application.properties ×
Projects × Files Services
  Act2
activity1_51421307
activity2_51421307
                                                                                   activity2_51421:
Hewan
Java
Lathan
mahasiswa_orm
Myclass
PBO
Pemograman
Pert8
Pert8
Pource Packa
                                                                                                * Click mbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
* Click mbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
                                                                                             package me.iky.repository;
                                                                                  package me.iky.repository;

import me.iky.model.ModelMahasiswa;
limport org.springframework.data.jpa.
import org.springframework.stereotyp

Repository
public interface MahasiswaRepository

limport org.springframework.stereotyp
                                                                                             import org.springframework.data.jpa.repository.jpaRepository;
import org.springframework.stereotype.Repository;
      Perts
Pertemuan5_51421307
Source Packages
He.lky.controller
MahasiswaController.java
                                                                                             public interface MahasiswaRepository extends JpaRepository ModelHahasiswa, Longo
      MahasiswaController.java

me.iky.model
ModelMahasiswa.java

me.iky.repository
MahasiswaRepository.java
      me.riezky

Pertemuan5_51421307.java
    > Test Packages
   Test Packages

Other Sources

Dependencies

Runtime Dependencies

Test Dependencies

Java Dependencies

Roject Files
          pom.xml
nbactions.xml
   Suara
Test
TugasBangunDatar
```

Pert 5_51421307

```
🔾 File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pertenuan5_51421307 - Apache NetBeans ID... 🗣 Search (Ctrl+I)
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                                                                                                              Projects X Files Services
                                                                                                                   Pertemuan5_51421307.java × @p pom.xml [Pertemuan5_51421307] × @ ModelMahasiswa.java × 🗵 MahasiswaRepository.java...
  Act2
activity1_51421307
activity2_51421307
                                                                                                                    b Hewan
                                                                                                                       3 import me.iky.controller.MahasiswaController;
                                                                                                                                  import org.springframework.beans.factory.annotation.Autowired;
   Latihan mahasiswa_orm
                                                                                                                                    import org.springframework.boot.CommandLineRunner;
                                                                                                                                    import org.springframework.boot.SpringApplication;
     Myclass
                                                                                                                                   import org.springframework.boot.autoconfigure.SpringBootApplication;
     Pemograman
    Pert8
Pertemuan5_51421307
                                                                                                                     10
                                                                                                                                   @SpringBootApplication
                                                                                                                                   public class Pertemuan5_51421307 implements CommandLineRunner {
                                                                                                                      11
12

√ Image Source Packages

✓ 

    me.iky.controlle

                                                                                                                      13
14
15
                    MahasiswaController.java
                                                                                                                                           private MahasiswaController mhsController;

✓ ■ me.iky.model

          ModelMahasiswa.java
                                                                                                                     public static void main(string[] args) {
    SpringApplication.run(primarySource:Pertem
    18
                                                                                                                                            SpringApplication.run(primarySource:Pertemuan5_51421307.class, args);
          19

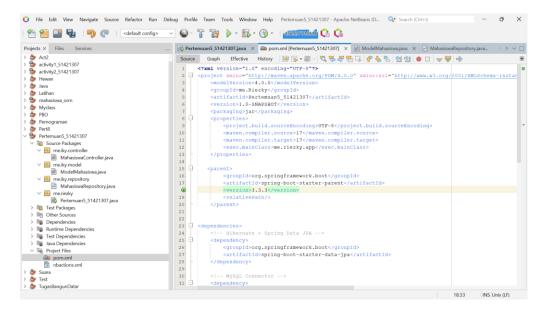
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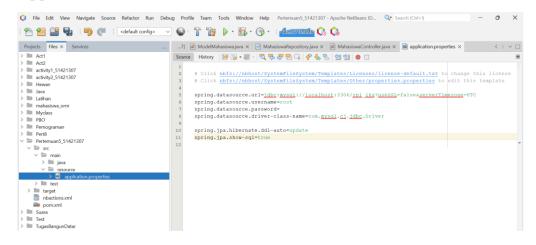
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                  Pertemuan5_51421307.java
                                                                                                                                             public void run(String... args) throws Exception {
        Test Packages
                                                                                                                                                      mhsController.tampilkanMenu();
     > III Other Sources
     > 🔓 Dependencies
     > Runtime Dependencies
     > light Test Dependencies
     > Java Dependencies
     ∨ 👼 Project Files
              pom.xml
              nbactions.xml
     Suara
    TestTugasBangunDatar
```

Pom.xml



Application



Output

```
1. Tampilkan semua mahasiswa
2. Tambah mahasiswa baru
3. Cek koneksi database
4. Keluar
Filih opsi: 2
Masukkan NFW: 51421307
Masukkan Nama: Riezky
Masukkan Semester: 7
Masukkan Nama: Riezky
Masukkan Semester: 7
Hasukkan Semester: 8
Hibernate: insert into mahasiswa (ipk,nama,npm,semester) values (?,?,?,?)
Mahasiswa berhasil ditambahkan.

Menu:
1. Tampilkan semua mahasiswa
2. Tambah mahasiswa baru
3. Cek koneksi database
4. Keluar
Filih opsi: 2
Masukkan NFM: 50421345
Masukkan NFM: 50421345
Masukkan NFM: 50421345
Masukkan NFM: 50421345
Masukkan IFK: 3.7
Mahasiswa berhasil ditambahkan.

Menu:
1. Tampilkan semua mahasiswa
2. Tambah mahasiswa baru
3. Cek koneksi database
4. Keluar
Filih opsi: 1
Hibernate: select mml_0.id,mml_0.ipk,mml_0.nama,mml_0.npm,mml_0.semester from mahasiswa mml_0
Mahasiswa (id-1, npm 'Fahri', nama '50421345', semester '7', ipk '3.8')
Mahasiswa (id-2, npm 'Fahri', nama '50421345', semester '7', ipk '3.8')
Mahasiswa (id-3, npm 'Arif', nama '50421345', semester '7', ipk '3.7')
```

Activity 6

Pert 6_51421307

```
🔾 File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pertemuan6_51421307 - Apache NetBeans ID... 🗣 Search (Ctrl+I)
the state of the s
                                                                                                                                                                                                             Bertemuan6_51421307.java × BandasiswaService.java × Bandlication.properties × BandasiswaService.java × DandasiswaService.java × DandasiswaService.
Projects × Files Services
 > Latinan
> mahasiswa_orm
> Myclass
> PBO
> Permograman
> Pertemuan5_51421307
> Pertemuan6_51421307
                                                                                                                                                                                                                           * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this licen
                                                                                                                                                                                                                         package me.riezky;

import me.iky.controller.MahasiswaController;
import me.iky.service.MahasiswaService;
import me.iky.view.MahasiswaView;
import org.springframework.boot.ApplicationArg
import org.springframework.boot.ApplicationRun
import org.springframework.boot.springApplicat
import org.springframework.boot.autoconfigure-
import org.springframework.boot.autoconfigure-
import org.springframework.boot.autoconfigure-
import org.springframework.boot.autoconfigure-
import org.springframework.context.Application
6
8pringBootApplication
public class Pertemuan6_51421307 implements Ap

@Autowired
private MahasiswaService mahasiswaService:

public static void main(String[] args) {
    System.setProperty( key; "java.awt.headle
                                                                                                                                                                                                                                                       package me.riezky;
           ✓ To Source Packages
✓ Emperity.controller

MahasiswaController.java
                     ∨ ⊞ me.ikv.model
                                                                                                                                                                                                                                                        import org.springframework.boot.ApplicationArguments;
import org.springframework.boot.ApplicationRunner;
import org.springframework.boot.SpringApplication;
                                        ModelMahasiswa.java
ModelTabelMahasiswa.java

    ✓ ■ me.iky.repository
    ✓ MahasiswaRepository.java

                                                                                                                                                                                                                                                        import org.springframework.boot.autoconfigure.SpringBootApplication;
                    ✓ Manasiswareposito.,

✓ III me.iky.service

MahasiswaService.java
                                                                                                                                                                                                                                                        import org.springframework.beans.factory.annotation.Autowired;
                                                                                                                                                                                                                                                         import org.springframework.context.ApplicationContext;
                      ✓ 🔠 me.iky.view
                                        MahasiswaView.iava
                                                                                                                                                                                                                                                                 blic class Pertemuan6 51421307 implements ApplicationRunner {
                 Test Packages

∨ Im Other Sources

    default package>
    application.properties

                                                                                                                                                                                                                                                                                          System.setProperty(key:"java.awt.headless", value:"false"); // Disable headless mode
          > Dependencies
> Runtime Dependencies
                                                                                                                                                                                                                            25
26
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30
31
                                                                                                                                                                                                                                                                                          // Start the Spring application and get the application context
ApplicationContext context = SpringApplication.run(primarySource:Pertemuane_51421307.class, args
                    Test Dependencies
          Java Dependencies

Project Files

pom.xml
                                                                                                                                                                                                                                                                                            MahasiswaController controller = context.getBean(requiredType:M
MahasiswaView mahasiswaView = new MahasiswaView(controller);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pe:MahasiswaController.class);
         Suara
```

Mahasiswa Controller

```
🔾 File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pertemuan6_51421307 - Apache NetBeans ID... 🗣 Search (Ctrl+I)
* default config>
                                                                        Projects X Files Services
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  mahasiswa orm
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  manasiswa_orm

Myclass

PBO

Pemograman

Pertemuan5_51421307

Pertemuan6_51421307

me_ikv_controller

me_ikv_controller
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    ✓ ■ me.iky.controlle
    ✓ MahasiswaC
                                                                           import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.*;
import me.iky.model.ModelMahasiswa;
import me.iky.service.MahasiswaService;
import java.util.List;
import org.springframework.stereotype.Controller;

6Controller
public class MahasiswaController {

8 Autowired
private MahasiswaService mahasiswaService;
             MahasiswaController.iava

    ModelMahasiswa.java
    ModelTabelMahasiswa.java

    me.iky.repository
    MahasiswaRepository.java
    me.iky.service
    MahasiswaService.java
       ✓ ■ me.iky.view

MahasiswaView.java

✓ ■ me.riezky

              Pertemuan6 51421307.java
    > In Test Packages

Other Sources

√ Main/resources

                                                                            22
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          > application.properties
                                                                                           public String addMahasiswa(@RequestBody ModelMahasiswa mhs) {
                                                                                                                   ervice.addMhs(mhs);
                                                                                               mahasiswaService.addMhs(mhs);
return "Mahasiswa added successfully";
      Runtime Dependencies
       Test Dependencies
         pom.xml
                                                                                            public ModelMahasiswa getMahasiswa(@PathVariable int id) {
                                                                                                  return mahasiswaService.getMhs(id);
```

Model Mahasiswa

```
🔾 File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pertemuan6_51421307 - Apache NetBeans ID... 🗣 Search (Ctrl+I)
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    mahasiswa_orm

Myclass

PBO

Pemograman

Pertemuan5_51421307

Pertemuan6_51421307

in Source Packages
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click nbfs://nbhost/Systemi

package me.iky.model;

import jakarta.persistence.*;

✓ ■ me.iky.controller

                           MahasiswaController.java
                         ime.iky.model
ModelMahasiswa.java
ModelTabelMahasiswa.java
                                                                                                                                                      9
                                                                                                                                                                        @Table(name = "mahasiswa")
                                                                                                                                                                        public class ModelMahasiswa (
// Pertama buat deklarasi dulu ini semua

    MahasiswaRepository.java
    me.iky.service
    MahasiswaService.java
                                                                                                                                                      11
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                                                                                                                                                                                    @GeneratedValue(strategy = GenerationType.IDENTITY)
              ✓ ∰ me.riezky
                           Pertemuan6 51421307.java
                                                                                                                                                                                   @Column(name = "npm", nullable = false, length = 8)
       > In Test Packages

V In Other Sources
                                                                                                                                                                                   private String npm;

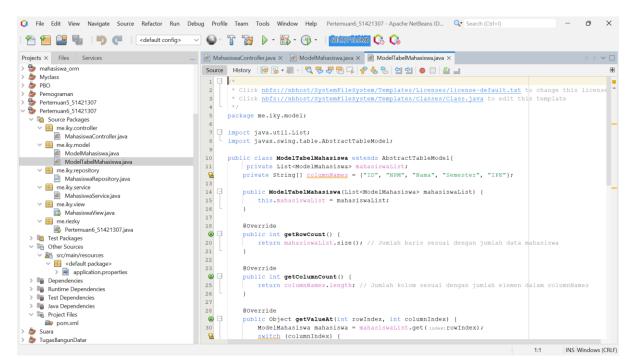
√ kg src/main/resources

                                                                                                                                                                                 @Column(name = "nama", nullable = false, length = 50)

√ III <default package>

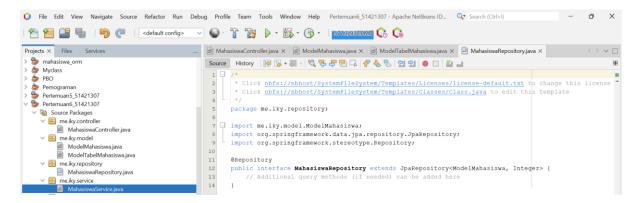
                                                                                                                                                                                   private String nama;
                             > application.properties
                                                                                                                                                                                 @Column(name = "semester")
            Runtime Dependencies
        > Test Dependencies
> Java Dependencies
> Project Files
                                                                                                                                                                                   private float ipk;
                   mx.moq @
     Suara
TugasBangunDatar
                                                                                                                                                                                                                                                                                                                                                                                                                                                     INS Windows (CRLF)
```

Model Tabel Mahasiswa

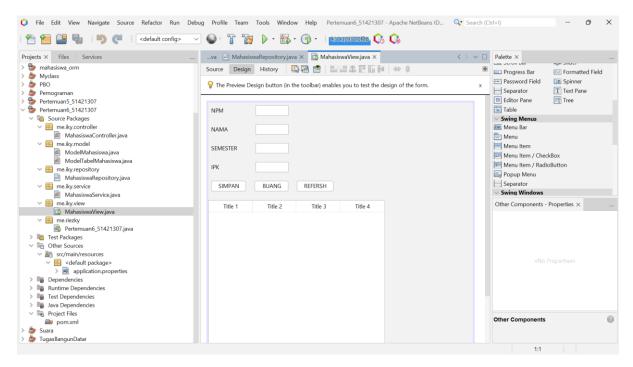


Mahasiswa Repository

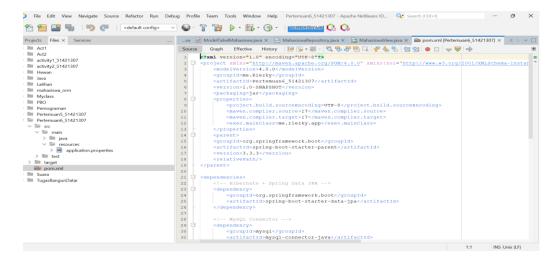
Mahasiswa Service



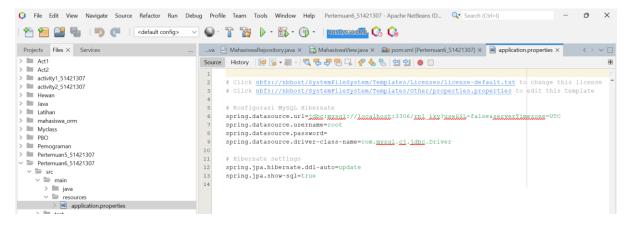
Mahasiswa View



Pom.xml



Application



Output

