ACTIVITY PRAKTIKUM

Mata Praktikum : Rekayasa Perangkat Lunak 2

Kelas : 4IA14

Praktikum ke- :4

Tanggal: 4 November 2024

Materi : Konsep Dasar Object Relational Mapping dan

Framework Hibernate

NPM : 50421425

Nama : Evan Caesar Daniel Sihotang

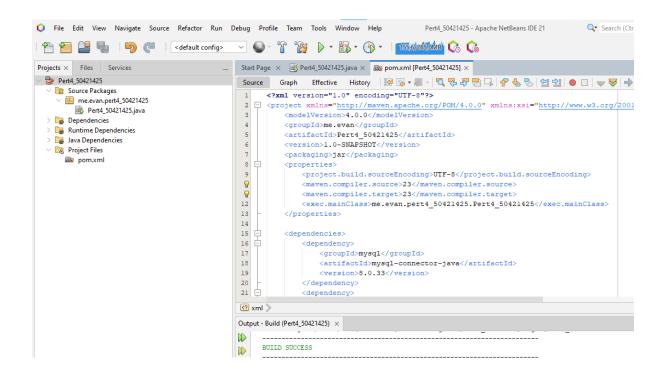
Ketua Asisten : Suryo Adji Widagdo

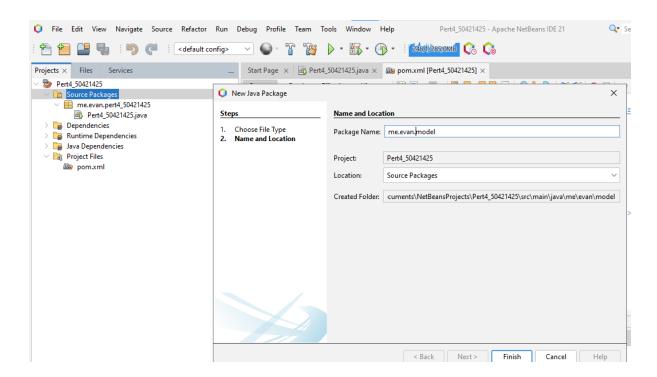
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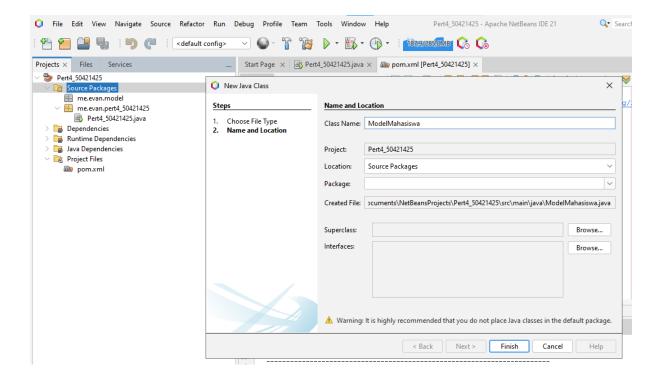
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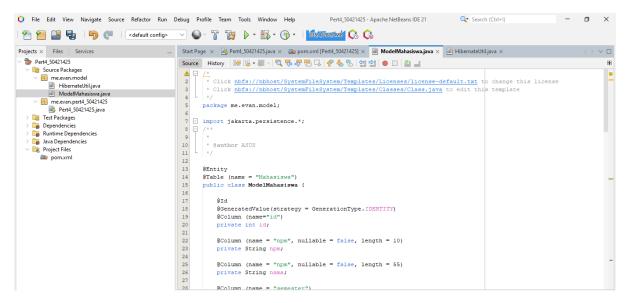


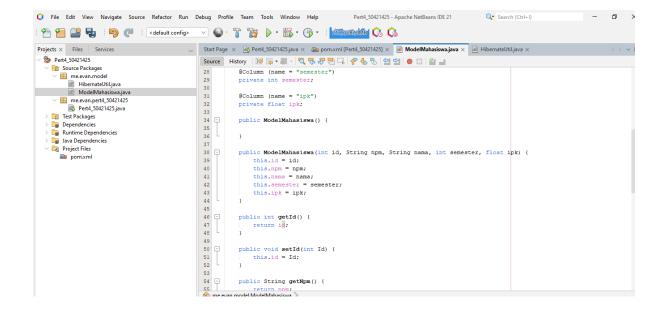


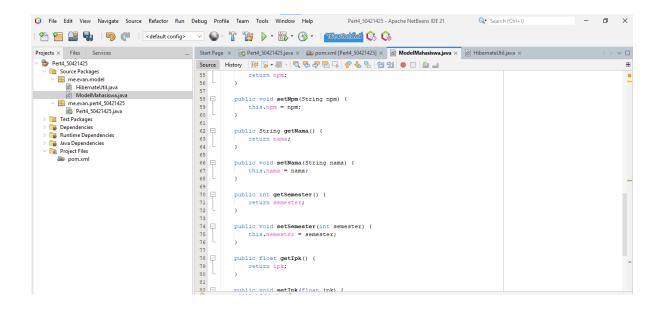




Model Mahasiswa.java







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                                                    return semester;
       HibernateUtil.java
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       ModelMahasiswa.java
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                                                 public void setSemester(int semester) {
       Pert4_50421425.java
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                                                     this.semester = semester;
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                                                 public float getIpk() {
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                                                   return ipk;
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     @ pom.xml
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                                                 public void setIpk(float ipk) {
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HibernateUtil.java

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*/
         ModelMahasiswa.java

| ModelMahasiswa.java
                                                                                                                    package me.evan.model;
                   Pert4_50421425.java
      > 🧰 Test Packages
                                                                                                          7 import org.hibernate.Session;
         Dependencies
                                                                                                               import org.hibernate.SessionFactory;
import org.hibernate.cfg.Configuration;
         Runtime Dependencies
         Java Dependencies
                                                                                                         10
         Project Files
                                                                                                                   public class HibernateUtil {
              @pom.xml
                                                                                                                           private static SessionFactory sessionFactory;
                                                                                                         12
                                                                                                         14 =
15 =
                                                                                                                               static {
                                                                                                                                                sessionFactory = new Configuration().configure().buildSessionFactory();
                                                                                                         16
                                                                                                                                        } catch (Throwable ex) {
                                                                                                                                               System.err.println("Initial SessionFactory creation failed." + ex);
throw new ExceptionInInitializerError(ex);
                                                                                                         18
                                                                                                         19
                                                                                                         22
23 =
                                                                                                                               public static SessionFactory getSessionFactory() {
                                                                                                         24
25
                                                                                                                                       return sessionFactory;
                                                                                                         26
<u>Q</u>
                                                                                                                               public static void testConnection() {
                                                                                                                                      try (Session session = sessionFactory.openSession()) {
                                                                                                                                  System.out.println("Connection to the database
```

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<u>Q</u>
      Project Files
                                                                                                                                                      public static void testConnection() {
                @ pom.xml
                                                                                                                                                              try (Session session = sessionFactory.openSession()) {
                                                                                                                            28
29
                                                                                                                                                                           System.out.println("Connection to the database was successful!");
                                                                                                                                                                } catch (Exception e) {
                                                                                                                            30
                                                                                                                                                                     System.err.println("Failed to connect to the database.");
                                                                                                                                                                           e.printStackTrace();
                                                                                                                            33
                                                                                                                            34
```

Mahasiswa Controller.java

