

ACTIVITY PERTEMUAN 3

NAMA : Rama Adi Satria

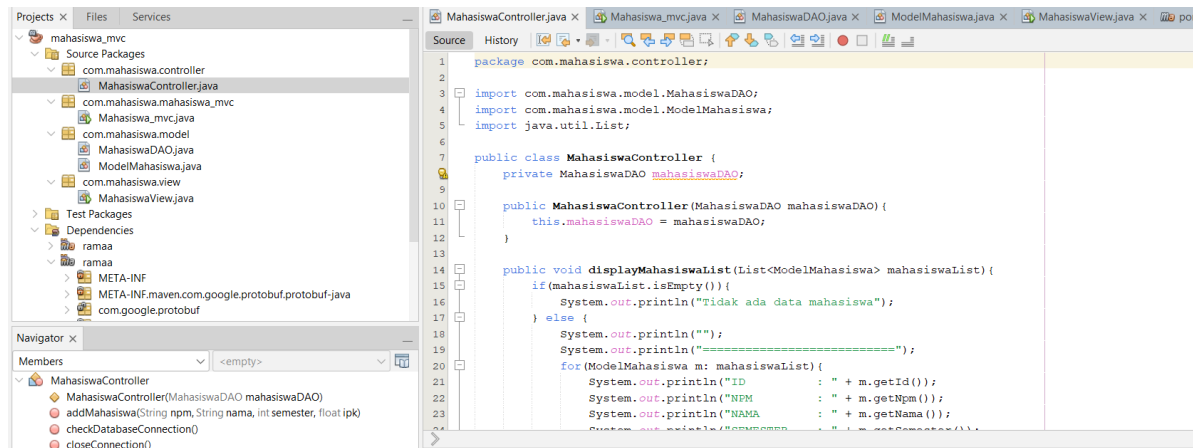
NPM : 51421248

KELAS: 4IA11

MATERI : MVC dan GDVC

MATA PRAKTIKUM : Rekayasa Perangkat Lunak

(Screenshoot langkah-langkah sesuai video pembelajaran dan jelaskan dengan ringkas)



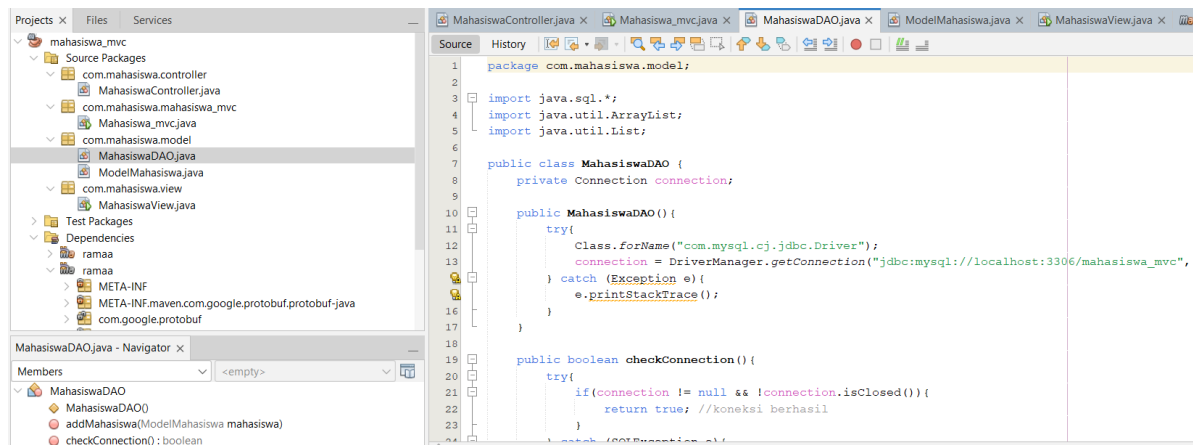
```
package com.mahasiswa.controller;

import com.mahasiswa.model.MahasiswaDAO;
import com.mahasiswa.model.ModelMahasiswa;
import java.util.List;

public class MahasiswaController {
    private MahasiswaDAO mahasiswaDAO;

    public MahasiswaController(MahasiswaDAO mahasiswaDAO) {
        this.mahasiswaDAO = mahasiswaDAO;
    }

    public void displayMahasiswaList(List<ModelMahasiswa> mahasiswaList) {
        if (mahasiswaList.isEmpty()) {
            System.out.println("Tidak ada data mahasiswa");
        } else {
            System.out.println("");
            System.out.println("=====");
            for (ModelMahasiswa m : mahasiswaList) {
                System.out.println("ID       : " + m.getId());
                System.out.println("NPM      : " + m.getNpm());
                System.out.println("NAMA     : " + m.getNama());
                System.out.println("=====");
            }
        }
    }
}
```



```
package com.mahasiswa.model;

import java.sql.*;
import java.util.ArrayList;
import java.util.List;

public class MahasiswaDAO {
    private Connection connection;

    public MahasiswaDAO() {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/mahasiswa_mvc",
            "root", "root");
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    public boolean checkConnection() {
        try {
            if (connection != null && !connection.isClosed()) {
                return true; // koneksi berhasil
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

