Package penilaian ujian mahasiswa

PenilaianUjianMahasiswa Class::

package penilaianujianmahasiswa;

import java.util.Scanner;

import penilaianujianmahasiswa.abstracts.Proses;

public class PenilaianUjianMahasiswa {

static Scanner input = new Scanner(System.in);

static Proses proses = new Proses();

public static void main(String[] args) {

do {

System.out.println("Login");

System.out.print("Username : ");

String username = input.next();

System.out.print("Password : ");

String password = input.next();

if (username.equals("dosen") && password.equals("dosen")) {

int menu = 0;

do {

System.out.println("Menu : ");

System.out.println("1. Input nilai");

System.out.println("2. View nilai");

System.out.println("0. Exit");

menu = input.nextInt();

switch (menu) {

case 1:

proses.inputNilai();

break;

case 2:

proses.viewNilai();

break;

case 0:

System.exit(0);

}

} while (menu != 0);

} else {

System.out.println("Username atau Password salah !");

}

} while (true);

}

}

Keterangan Source Code :

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Package penilaianujianmahasiswa.abstracts

AbstractProses Class :

package penilaianujianmahasiswa.abstracts;

import java.util.Scanner;

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\* @author udin

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public abstract class AbstractProses {

public static Scanner scanner = new Scanner(System.in);

public void inputNilai(){

}

public void viewNilai(){

}

}

Keterangan Source Code :

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Proses Class :

package penilaianujianmahasiswa.abstracts;

import java.util.Scanner;

import penilaianujianmahasiswa.data.Data;

import penilaianujianmahasiswa.model.Mahasiswa;

import penilaianujianmahasiswa.model.Matakuliah;

import penilaianujianmahasiswa.model.Nilai;

public class Proses extends AbstractProses {

static Scanner input = new Scanner(System.in);

@Override

public void inputNilai() {

System.out.println(" === Input Nilai === ");

System.out.print("NPM : ");

int npm = input.nextInt();

System.out.print("Nama : ");

String nama = input.next();

System.out.print("Semester : ");

int semester = input.nextInt();

Mahasiswa mahasiswa = new Mahasiswa(nama, npm, semester);

System.out.println("Nilai");

System.out.print("PBO : ");

int pbo = input.nextInt();

System.out.print("SO : ");

int so = input.nextInt();

Matakuliah[] matakuliah = new Matakuliah[2];

matakuliah[0] = new Matakuliah("PBO", pbo);

matakuliah[1] = new Matakuliah("SO", so);

Data.nilaiArr[Data.indexNilai] = new Nilai(mahasiswa, matakuliah);

Data.indexNilai += 1;}

@Override

public void viewNilai() {

for (int i = 0; i < Data.indexNilai; i++) {

System.out.println("Npm : "+Data.nilaiArr[i].getMahasiswa().getNpmMhs());

System.out.println("Nama : "+Data.nilaiArr[i].getMahasiswa().getNamaMhs());

System.out.println("Semester : "+Data.nilaiArr[i].getMahasiswa().getSemesterMhs());

for (int j = 0; j < 2; j++) {

System.out.println("Matakuliah : "+Data.nilaiArr[i].getMatakuliah()[j].getNamaMatkul());

System.out.println("Nilai : "+Data.nilaiArr[i].getMatakuliah()[j].getNilaiMatkul());

}}}}

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Package penilaianujianmahasiswa.data

Data Class :

package penilaianujianmahasiswa.data;

import penilaianujianmahasiswa.model.Nilai;

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\* @author udin

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public class Data {

public static Nilai[] nilaiArr = new Nilai[100];

public static int indexNilai = 0;

}

Keterangan Source Code :

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Package penilaianujianmahasiswa.model

Mahasiswa Class :

package penilaianujianmahasiswa.model;

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\* @author udin

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public class Mahasiswa {

private String namaMhs;

private int npmMhs;

private int semesterMhs;

public Mahasiswa(String namaMhs, int npmMhs, int semesterMhs) {

this.namaMhs = namaMhs;

this.npmMhs = npmMhs;

this.semesterMhs = semesterMhs;

}

public void setNamaMhs(String namaMhs) {

this.namaMhs = namaMhs;

}

public void setNpmMhs(int npmMhs) {

this.npmMhs = npmMhs;

}

public void setSemesterMhs(int semesterMhs) {

this.semesterMhs = semesterMhs;

}

public String getNamaMhs() {

return namaMhs;

}

public int getNpmMhs() {

return npmMhs;

}

public int getSemesterMhs() {

return semesterMhs;

}

}

Keterangan Source Code :

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MataKuliah Class :

package penilaianujianmahasiswa.model;

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\* @author udin

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public class Matakuliah {

private String namaMatkul;

private int nilaiMatkul;

public Matakuliah(String namaMatkul, int nilaiMatkul) {

this.namaMatkul = namaMatkul;

this.nilaiMatkul = nilaiMatkul;

}

public void setNamaMatkul(String namaMatkul) {

this.namaMatkul = namaMatkul;

}

public void setNilaiMatkul(int nilaiMatkul) {

this.nilaiMatkul = nilaiMatkul;

}

public String getNamaMatkul() {

return namaMatkul;

}

public int getNilaiMatkul() {

return nilaiMatkul;

}

}

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Nilai Class :

package penilaianujianmahasiswa.model;

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\* @author udin

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public class Nilai {

private Mahasiswa mahasiswa;

private Matakuliah[] matakuliah;

public Nilai(Mahasiswa mahasiswa, Matakuliah[] matakuliah) {

this.mahasiswa = mahasiswa;

this.matakuliah = matakuliah;

}

public void setMahasiswa(Mahasiswa mahasiswa) {

this.mahasiswa = mahasiswa;

}

public Mahasiswa getMahasiswa() {

return mahasiswa;

}

public void setMatakuliah(Matakuliah[] matakuliah) {

this.matakuliah = matakuliah;

}

public Matakuliah[] getMatakuliah() {

return matakuliah;

}

}

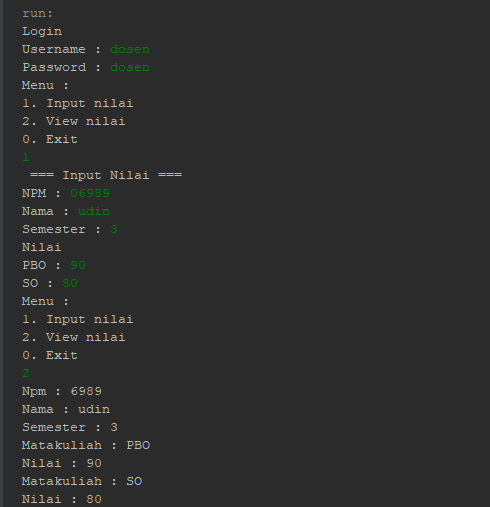
Keterangan Source Code :

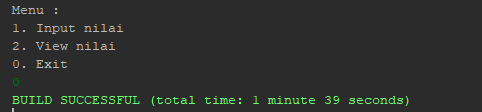
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