package penilaianujian;

import java.util.ArrayList;

import java.util.Scanner;

/\*\*

\*

\* @author udin

\*/

public class PenilaianUjian {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

int jumlahMhs = 0;

int menu;

DataNilai[] dataNilai = new DataNilai[100];

Scanner input = new Scanner(System.in);

menuProgram:

do {

System.out.println("===== Program Penilaian Mahasiswa =====");

System.out.println("Menu Program\n1.Input Nilai\n2.Tampilkan Data Nilai\n3.Edit Data\n4.Exit");

System.out.print("Input Menu : ");

menu = input.nextInt();

switch (menu) {

case 1:

System.out.print("Input Jumlah Mahasiswa : ");

jumlahMhs = input.nextInt();

MataKuliah[][] matkulList = new MataKuliah[100][2];

for (int i = 0; i < jumlahMhs; i++) {

System.out.println("Mahasiswa Ke - " + (i + 1));

System.out.print("Nama Mahasiswa = ");

String nama = input.next();

System.out.println("Input Nilai Matakuliah :");

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

int SO = input.nextInt();

MataKuliah so = new MataKuliah("SO", SO);

matkulList[i][0] = so;

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

int PBO = input.nextInt();

MataKuliah pbo = new MataKuliah("PBO", PBO);

matkulList[i][1] = pbo;

Mahasiswa mhs = new Mahasiswa((i + 1), nama, matkulList);

dataNilai[i] = new DataNilai(mhs);

}

break;

case 2:

System.out.println("========== DATA NILAI ==========");

for (int i = 0; i < dataNilai.length; i++) {

if (dataNilai[i] != null) {

System.out.println("NPM : " + dataNilai[i].mahasiswa.npm + " Nama : " + dataNilai[i].mahasiswa.nama);

for (int j = 0; j < dataNilai[i].mahasiswa.mataKuliah[i].length; j++) {

System.out.println("Matkul : " + dataNilai[i].mahasiswa.mataKuliah[j][i].namaMatkul + " Nilai : " + dataNilai[i].mahasiswa.mataKuliah[j][i].nilai);

}

System.out.println("----------------------------------");

} else {

break;

}

}

break;

case 3:

int statusNextEdit = 1;

do {

System.out.println("========== DATA NILAI ==========");

for (int i = 0; i < dataNilai.length; i++) {

if (dataNilai[i] != null) {

System.out.println("NPM : " + dataNilai[i].mahasiswa.npm + " Nama : " + dataNilai[i].mahasiswa.nama);

for (int j = 0; j < dataNilai[i].mahasiswa.mataKuliah[i].length; j++) {

System.out.println("Matkul : " + dataNilai[i].mahasiswa.mataKuliah[j][i].namaMatkul + " Nilai : " + dataNilai[i].mahasiswa.mataKuliah[j][i].nilai);

}

System.out.println("----------------------------------");

} else {

break;

}

}

System.out.print("Edit data nilai \n Input NPM : ");

int npmInput = input.nextInt();

for (int i = 0; i < dataNilai.length; i++) {

if (dataNilai[i] != null) {

if (dataNilai[i].mahasiswa.npm == npmInput) {

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

String nmMhs = input.next();

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

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

int soInput = input.nextInt();

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

int pboInput = input.nextInt();

System.out.println("Apakah anda akan mengupdate data nilai ? (y/t)");

String next = input.next();

if (next.equals("y") || next.equals("Y")) {

dataNilai[i].mahasiswa.nama = nmMhs;

dataNilai[i].mahasiswa.mataKuliah[i][0].nilai = soInput;

dataNilai[i].mahasiswa.mataKuliah[i][1].nilai = pboInput;

System.out.println("Update nilai berhasil !");

System.out.println("Apakah anda lanjut edit nilai ? (y/t)");

String nextEdit = input.next();

if (nextEdit.equals("y") || nextEdit.equals("Y")) {

statusNextEdit = 1;

} else {

continue menuProgram;

}

} else {

System.out.println("Update nilai dibatalkan !");

}

continue menuProgram;

}

}

}

} while (statusNextEdit != 0);

case 4:

System.exit(0);

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

break;

}

} while (menu != 4);

}

}

if (dataNilai[i] != null) {

System.out.println("NPM : " + dataNilai[i].mahasiswa.npm + " Nama : " + dataNilai[i].mahasiswa.nama);

for (int j = 0; j < dataNilai[i].mahasiswa.mataKuliah[i].length; j++) {

System.out.println("Matkul : " + dataNilai[i].mahasiswa.mataKuliah[j][i].namaMatkul + " Nilai : " + dataNilai[i].mahasiswa.mataKuliah[j][i].nilai);

}

System.out.println("----------------------------------");

} else {

break;

}

}

System.out.print("Edit data nilai \n Input NPM : ");

int npmInput = input.nextInt();

for (int i = 0; i < dataNilai.length; i++) {

if (dataNilai[i] != null) {

if (dataNilai[i].mahasiswa.npm == npmInput) {

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

String nmMhs = input.next();

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

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

int soInput = input.nextInt();

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

int pboInput = input.nextInt();

System.out.println("Apakah anda akan mengupdate data nilai ? (y/t)");

String next = input.next();

if (next.equals("y") || next.equals("Y")) {

dataNilai[i].mahasiswa.nama = nmMhs;

dataNilai[i].mahasiswa.mataKuliah[i][0].nilai = soInput;

dataNilai[i].mahasiswa.mataKuliah[i][1].nilai = pboInput;

System.out.println("Update nilai berhasil !");

System.out.println("Apakah anda lanjut edit nilai ? (y/t)");

String nextEdit = input.next();

if (nextEdit.equals("y") || nextEdit.equals("Y")) {

statusNextEdit = 1;

} else {

continue menuProgram;

}

} else {

System.out.println("Update nilai dibatalkan !");

}

continue menuProgram;

}

}

}

} while (statusNextEdit != 0);

case 4:

System.exit(0);

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

break;

}

} while (menu != 4);

}

}

if (next.equals("y") || next.equals("Y")) {

dataNilai[i].mahasiswa.nama = nmMhs;

dataNilai[i].mahasiswa.mataKuliah[i][0].nilai = soInput;

dataNilai[i].mahasiswa.mataKuliah[i][1].nilai = pboInput;

System.out.println("Update nilai berhasil !");

System.out.println("Apakah anda lanjut edit nilai ? (y/t)");

String nextEdit = input.next();

if (nextEdit.equals("y") || nextEdit.equals("Y")) {

statusNextEdit = 1;

} else {

continue menuProgram;

}

} else {

System.out.println("Update nilai dibatalkan !");

}

continue menuProgram;

}

}

}

} while (statusNextEdit != 0);

case 4:

System.exit(0);

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

break;

}

} while (menu != 4);

}

}

Keterangan Source Code :

------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------