***MUHAMMAD FAISAL AMIR***

***6706160014***

***D3IF-40-02***

***AssesmentKe2.java***

/\*

\* Muhammad Faisal Amir

\* f.miir117@gmail.com

\* id.amirisback.bandung

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\*/

package id.amir;

import java.util.Scanner;

/\*\*

\*

\* @author Faisal Amir

\*/

public class AssesmentKe2 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

// TODO code application logic here

Scanner in = new Scanner(System.in);

String calon\_id, calon\_nama\_suami, calon\_nama\_istri, calon\_kota, calon\_kecamatan;

String pegawai\_nip, pegawai\_nama, pegawai\_kota, pegawai\_kecamatan;

String tgl, id\_j, tempat;

boolean ulang = true;

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

System.out.println("Program Pencatatan Data Nikah");

System.out.print("Tanggal \t: ");

tgl = in.nextLine();

System.out.print("ID Jadwal \t: ");

id\_j = in.nextLine();

System.out.print("KUA Cabang \t: ");

tempat = in.next();

Jadwal jadwal = new Jadwal(id\_j, tempat, tgl);

do {

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

System.out.println("1. Pegawai - Tambah");

System.out.println("2. Pegawai - Hapus");

System.out.println("3. Pegawai - Hapus dengan index");

System.out.println("4. Pegawai - Lihat");

System.out.println("5. Pegawai - Update");

System.out.println("6. Calon - Tambah");

System.out.println("7. Calon - Hapus");

System.out.println("8. Calon - Hapus dengan index");

System.out.println("9. Calon - Lihat");

System.out.println("10. Calon - Update");

System.out.println("11. Lihat Data");

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

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

int pilih = in.nextInt();

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

switch (pilih) {

case 1 :

System.out.println("Tambah Data Pegawai");

System.out.print("Masukkan NIP Pegawai \t: ");

pegawai\_nip = in.next();

in.nextLine();

System.out.print("Masukkan Nama Pegawai \t: ");

pegawai\_nama = in.nextLine();

System.out.print("Masukkan Kota \t\t: ");

pegawai\_kota = in.next();

System.out.print("Masukkan Kecamatan \t: ");

pegawai\_kecamatan = in.next();

Pegawai dp = new Pegawai(pegawai\_nip, pegawai\_nama, pegawai\_kota, pegawai\_kecamatan);

jadwal.addDataP(dp);

break;

case 2 :

jadwal.deletePegawai();

jadwal.showPegawai();

break;

case 3 :

jadwal.showPegawai();

System.out.print("Masukkan index yang ingin di hapus : ");

int idhp = in.nextInt();

jadwal.deletePegawai(idhp);

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

jadwal.showPegawai();

break;

case 4 :

System.out.println("Data Pegawai");

jadwal.showPegawai();

break;

case 5 :

System.out.println("Update Data Pegawai");

jadwal.showPegawai();

System.out.print("Masukkan Index yang akan di Update : ");

int idp = in.nextInt();

System.out.print("Masukkan NIP Pegawai \t: ");

pegawai\_nip = in.next();

in.nextLine();

System.out.print("Masukkan Nama Pegawai \t: ");

pegawai\_nama = in.nextLine();

System.out.print("Masukkan Kota \t\t: ");

pegawai\_kota = in.next();

System.out.print("Masukkan Kecamatan \t: ");

pegawai\_kecamatan = in.next();

Pegawai dpu = new Pegawai(pegawai\_nip, pegawai\_nama, pegawai\_kota, pegawai\_kecamatan);

jadwal.updatePegawai(idp, dpu);

break;

case 6 :

System.out.println("Tambah Data Calon");

System.out.print("Masukan ID Calon \t\t: ");

calon\_id = in.next();

in.nextLine();

System.out.print("Masukkan Nama Calon Suami \t: ");

calon\_nama\_suami = in.nextLine();

System.out.print("Masukkan Nama Calon Istri \t: ");

calon\_nama\_istri = in.nextLine();

System.out.print("Masukkan Kota \t\t\t: ");

calon\_kota = in.next();

System.out.print("Masukkan Kecamatan \t\t: ");

calon\_kecamatan = in.next();

Calon dc = new Calon(calon\_id, calon\_nama\_suami, calon\_nama\_istri, calon\_kota, calon\_kecamatan);

jadwal.addDataC(dc);

break;

case 7 :

jadwal.deleteCalon();

break;

case 8 :

jadwal.showCalon();

System.out.print("Masukkan index yang ingin di hapus : ");

int idhc = in.nextInt();

jadwal.deleteCalon(idhc);

break;

case 9 :

System.out.println("Data Calon");

jadwal.showCalon();

break;

case 10 :

System.out.println("Update Data Calon");

jadwal.showCalon();

System.out.print("Masukkan Index yang akan di Update : ");

int idc = in.nextInt();

System.out.print("Masukan ID Calon \t\t: ");

calon\_id = in.next();

in.nextLine();

System.out.print("Masukkan Nama Calon Suami \t: ");

calon\_nama\_suami = in.nextLine();

System.out.print("Masukkan Nama Calon Istri \t: ");

calon\_nama\_istri = in.nextLine();

System.out.print("Masukkan Kota \t\t\t: ");

calon\_kota = in.next();

System.out.print("Masukkan Kecamatan \t\t: ");

calon\_kecamatan = in.next();

Calon dcu = new Calon(calon\_id, calon\_nama\_suami, calon\_nama\_istri, calon\_kota, calon\_kecamatan);

jadwal.updateCalon(idc, dcu);

break;

case 11 :

jadwal.showDetail();

break;

case 0 :

ulang = false;

System.out.println("TERIMA KASIH");

break;

default :

System.out.println("PILIHAN SALAH");

break;

}

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

System.out.println("");

} while (ulang == true);

}

}

***Daerah.java***

/\*

\* Muhammad Faisal Amir

\* f.miir117@gmail.com

\* id.amirisback.bandung

\* Copyright 2017

\*/

package id.amir;

/\*\*

\*

\* @author Faisal Amir

\*/

public class Daerah {

private String Kota;

private String Kecamatan;

public Daerah(String Kota, String Kecamatan) {

this.Kota = Kota;

this.Kecamatan = Kecamatan;

}

public String getKota() {

return Kota;

}

public void setKota(String Kota) {

this.Kota = Kota;

}

public String getKecamatan() {

return Kecamatan;

}

public void setKecamatan(String Kecamatan) {

this.Kecamatan = Kecamatan;

}

public void lihatDaerah(){

try {

System.out.println("Kota \t\t: " +Kota);

System.out.println("Kecamatan \t: " +Kecamatan);

} catch (Exception e) {

System.out.println(e);

}

}

}

***Calon.java***

/\*

\* Muhammad Faisal Amir

\* f.miir117@gmail.com

\* id.amirisback.bandung

\* Copyright 2017

\*/

package id.amir;

/\*\*

\*

\* @author Faisal Amir

\*/

public class Calon extends Daerah {

private String id\_calon;

private String nama\_csuami;

private String nama\_cistri;

public Calon(String id\_calon, String nama\_csuami, String nama\_cistri, String Kota, String Kecamatan) {

super(Kota, Kecamatan);

this.id\_calon = id\_calon;

this.nama\_csuami = nama\_csuami;

this.nama\_cistri = nama\_cistri;

}

public String getId\_calon() {

return id\_calon;

}

public void setId\_calon(String id\_calon) {

this.id\_calon = id\_calon;

}

public String getNama\_csuami() {

return nama\_csuami;

}

public void setNama\_csuami(String nama\_csuami) {

this.nama\_csuami = nama\_csuami;

}

public String getNama\_cistri() {

return nama\_cistri;

}

public void setNama\_cistri(String nama\_cistri) {

this.nama\_cistri = nama\_cistri;

}

@Override

public void lihatDaerah() {

super.lihatDaerah(); //To change body of generated methods, choose Tools | Templates.

}

public void lihatCalon(){

try {

System.out.println("ID Calon \t: " +id\_calon);

System.out.println("Calon Suami \t: " +nama\_csuami);

System.out.println("Calon Istri \t: " +nama\_cistri);

lihatDaerah();

} catch (Exception e) {

System.out.println(e);

}

}

}

***Pegawai.java***

/\*

\* Muhammad Faisal Amir

\* f.miir117@gmail.com

\* id.amirisback.bandung

\* Copyright 2017

\*/

package id.amir;

/\*\*

\*

\* @author Faisal Amir

\*/

public class Pegawai extends Daerah {

private String id\_pegawai;

private String nama\_pegawai;

public Pegawai(String id\_pegawai, String nama\_pegawai, String Kota, String Kecamatan) {

super(Kota, Kecamatan);

this.id\_pegawai = id\_pegawai;

this.nama\_pegawai = nama\_pegawai;

}

public String getId\_pegawai() {

return id\_pegawai;

}

public void setId\_pegawai(String id\_pegawai) {

this.id\_pegawai = id\_pegawai;

}

public String getNama\_pegawai() {

return nama\_pegawai;

}

public void setNama\_pegawai(String nama\_pegawai) {

this.nama\_pegawai = nama\_pegawai;

}

@Override

public void lihatDaerah() {

super.lihatDaerah();

}

public void lihatPegawai(){

try {

System.out.println("NIP Pegawai \t: " + id\_pegawai);

System.out.println("Nama Pegawai \t: " + nama\_pegawai);

lihatDaerah();

} catch (Exception e) {

System.out.println(e);

}

}

}

***Interface.java***

/\*

\* Muhammad Faisal Amir

\* f.miir117@gmail.com

\* id.amirisback.bandung

\* Copyright 2017

\*/

package id.amir;

/\*\*

\*

\* @author Faisal Amir

\*/

public interface Interface {

public void addDataC(Calon c);

public void addDataC(int index, Calon c);

public void addDataP(Pegawai p);

public void addDataP(int index, Pegawai p);

public void showCalon();

public void showPegawai();

public void deleteCalon(int index);

public void deleteCalon();

public void deletePegawai(int index);

public void deletePegawai();

public void updateCalon(int index, Calon c);

public void updatePegawai(int index, Pegawai p);

public void showJadwal();

public void showDetail();

}

***Jadwal.java***

/\*

\* Muhammad Faisal Amir

\* f.miir117@gmail.com

\* id.amirisback.bandung

\* Copyright 2017

\*/

package id.amir;

import java.util.ArrayList;

/\*\*

\*

\* @author Faisal Amir

\*/

public class Jadwal implements Interface {

private String id\_jadwal;

private String tempat;

private String tgl;

private Pegawai pegawai;

private Calon calon;

ArrayList<Pegawai> dataP = new ArrayList<>();

ArrayList<Calon> dataC = new ArrayList<>();

public Jadwal() {

}

public Jadwal(String id\_jadwal, String tempat, String tgl) {

this.id\_jadwal = id\_jadwal;

this.tempat = tempat;

this.tgl = tgl;

this.pegawai = null;

this.calon = null;

}

public String getId\_jadwal() {

return id\_jadwal;

}

public void setId\_jadwal(String id\_jadwal) {

this.id\_jadwal = id\_jadwal;

}

public String getTempat() {

return tempat;

}

public void setTempat(String tempat) {

this.tempat = tempat;

}

public String getTgl() {

return tgl;

}

public void setTgl(String tgl) {

this.tgl = tgl;

}

public Pegawai getPegawai() {

return pegawai;

}

public void setPegawai(Pegawai pegawai) {

this.pegawai = pegawai;

}

public Calon getCalon() {

return calon;

}

public void setCalon(Calon calon) {

this.calon = calon;

}

public ArrayList<Pegawai> getDataP() {

return dataP;

}

public void setDataP(ArrayList<Pegawai> dataP) {

this.dataP = dataP;

}

public ArrayList<Calon> getDataC() {

return dataC;

}

public void setDataC(ArrayList<Calon> dataC) {

this.dataC = dataC;

}

@Override

public void addDataC(Calon c){

try {

dataC.add(c);

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void addDataC(int index, Calon c){

try {

dataC.add((index-1), calon);

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void addDataP(Pegawai p){

try {

dataP.add(p);

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void addDataP(int index, Pegawai p){

try {

dataP.add((index-1), p);

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void showCalon(){

try {

System.out.println("Total Calon : " + dataC.size());

if (!dataC.isEmpty()){

for (int i = 0; i < dataC.size(); i++) {

System.out.println("Data Calon ke - "+(i+1)+" :");

dataC.get(i).lihatCalon();

}

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

}else{

System.out.println("Data Calon Masih Kosong");

}

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void showPegawai(){

try {

System.out.println("Total Pegawai : " + dataP.size());

if (!dataP.isEmpty()){

for (int i = 0; i < dataP.size(); i++) {

System.out.println("Data Pegawai ke - "+(i+1)+" :");

dataP.get(i).lihatPegawai();

}

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

}else{

System.out.println("Data Pegawai Masih Kosong");

}

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void deleteCalon(int index){

try {

if(!dataC.isEmpty()){

dataC.remove(index-1);

System.out.println("Menghapus Data Index Ke - " + index);

}else {

System.out.println("Tidak Ada Data Yang Bisa Dihapus");

}

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void deleteCalon(){

try {

if(!dataC.isEmpty()){

System.out.println("Menghapus Data Terbaru");

dataC.remove(dataC.size()-1);

}else {

System.out.println("Tidak Ada Data Yang Bisa Dihapus");

}

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void deletePegawai(int index){

try {

if(!dataP.isEmpty()){

dataP.remove(index-1);

System.out.println("Menghapus Data Index Ke - " + index);

}else{

System.out.println("Tidak Ada Data Yang Bisa Dihapus");

}

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void deletePegawai(){

try {

if(!dataP.isEmpty()){

System.out.println("Menghapus Data Terbaru");

dataP.remove(dataP.size()-1);

}else{

System.out.println("\"Tidak Ada Data Yang Bisa Dihapus\"");

}

} catch (Exception e) {

}

}

@Override

public void updateCalon(int index, Calon c){

try {

if(!dataC.isEmpty()){

System.out.println("Update Data ke : "+index);

dataC.set(index-1, c);

}else {

System.out.println("Data Tidak Ditemukan / Data Kosong");

}

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void updatePegawai(int index, Pegawai p){

try {

if(!dataP.isEmpty()){

System.out.println("Update Data ke : "+index);

dataP.set(index-1, p);

}else {

System.out.println("Data Tidak Ditemukan / Data Kosong");

}

} catch (Exception e) {

System.out.println(e);

}

}

@Override

public void showJadwal(){

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

System.out.println("CATATAN UNTUK : ");

System.out.println("Tanggal," +tgl);

System.out.println("Bertempat di KUA " + tempat);

System.out.println("Dengan Id Jadwal " + id\_jadwal);

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

}

@Override

public void showDetail(){

showJadwal();

showCalon();

showPegawai();

}

}



