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Matkul : Pemograman Beriorentasi Objek

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Source Code Evaluasi Praktikum 3

No.3:

**Program 1 :**

package pertemuan2.modul3.nilai;

import java.util.\*;

public class HitungRata {

private double total=0.0;

private ArrayList nilaiBaru = new ArrayList();

Scanner input = new Scanner(System.in);

public void inputNilai(int nilai[]){

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

System.out.print("Masukkan Nilai : ");

nilai[i]=input.nextInt();

total += nilai[i];

}

}

public double rataNilai(int Ndata){

return total/((double)Ndata);

}

public void cetakNilai(int nilai[]){

for(int angka:nilai){

System.out.print(angka+"\t");

}

System.out.println();

}

public void inputNilaiBaru(int jumlah){

while(jumlah>0){

System.out.print("Masukkan Nilai Baru : ");

nilaiBaru.add(input.nextInt());

jumlah--;

}

}

public void cetakNilaiBaru(){

ListIterator i = nilaiBaru.listIterator(0);

while(i.hasNext()){

Object data = i.next();

if(data == null){

System.out.println("null");

}else{

System.out.println(data.toString());

}

}

}

}

**Program 2 :**

package pertemuan2.modul3.nilai;

import java.util.Scanner;

public class TestNilai {

public static void main(String[] args){

HitungRata hitung = new HitungRata();

Scanner input = new Scanner(System.in);

System.out.print("Masukkan Jumlah Data : ");

int banyakData = input.nextInt();

int nilai[]=new int[banyakData];

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

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

System.out.println("2.Input Nilai Baru");

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

int pilih = input.nextInt();

switch(pilih){

case 1:

hitung.inputNilai(nilai);

System.out.print("Daftar Nilai : ");

hitung.cetakNilai(nilai);

System.out.println("Rata Nilai : "+ hitung.rataNilai(banyakData));

break;

case 2:

hitung.inputNilaiBaru(banyakData);

System.out.print("Daftar Nilai Baru : ");

hitung.cetakNilaiBaru();

break;

default:

System.out.print("Pilihan anda salah");

}

}

}

No.7 HastMap :

import java.util.HashMap;

import java.util.Scanner;

public class HashMapKey {

public static void main(String[] args) {

HashMap<String, String> data = new HashMap<>();

Scanner scanner = new Scanner(System.in);

System.out.print("Masukkan jumlah data: ");

int n = scanner.nextInt();

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

System.out.print("Masukkan kunci ke-" + (i + 1) + ": ");

String key = scanner.next();

System.out.print("Masukkan Nilai ke-" + (i + 1) + ": ");

String value = scanner.next();

data.put(key, value);

}

System.out.println("Data HashMap:");

for (String key : data.keySet()) {

System.out.println("Kunci: " + key + ", Nilai: " + data.get(key));

}

}

}

Source Code Evaluasi Modul 4 :

No.2:

**Program 1 :**

package pertemuan2.modul4.user;

public class Orang {

public String nama;

public Orang() {this.nama="Aminah";}

public Orang(String nama){

this.nama = nama;

}

public String getNama(){

return nama;

}

public void setNama(String nama){

this.nama = nama;

}

public static void info(){

System.out.println("Class Orang");

}

}

**Program 2 :**

package pertemuan2.modul4.user;

public class Utama {

public static void main(String[] args){

Orang orang = new Orang();

orang.nama = "Muh.Yusran";

System.out.println("Stb : "+orang.nama);

Mahasiswa mhs1 = new Mahasiswa();

Mahasiswa mhs2= new Mahasiswa("13020220078 ","Yusran");

Orang.info();

Mahasiswa.info();

}

}

**Program 3 :**

package pertemuan2.modul4.user;

public class Mahasiswa extends Orang{

private String stb;

public Mahasiswa(){

super();

this.stb="13020220078";

}

public Mahasiswa(String stb, String nama){

super(nama);

this.stb = stb;

}

public String getStb(){

return stb;

}

public void setStb(String stb){

this.stb =stb;

}

public static void info(){

System.out.println("Class Mahasiswa");

}

}

No.3 :

**Program 1:**

package evaluasi.Mahasiswa;

public class Identitas {

private String nama;

private String stambuk;

public String getNama(){

return nama;

}

public void setNama(String nama){

this.nama=nama;

}

public String getStambuk(){

return stambuk;

}

public void setStambuk(String stambuk){

this.stambuk=stambuk;

}

}

**Program 2 :**

package evaluasi.Mahasiswa;

public class Nilai {

private int tugas1;

private int tugas2;

private int mid;

private int uas;

public void setTugas1(int tugas1){

this.tugas1 = tugas1;

}

public int getTugas1(){

return tugas1;

}

public void setTugas2(int tugas2){

this.tugas2=tugas2;

}

public int getTugas2(){

return tugas2;

}

public void setMid(int mid){

this.mid=mid;

}

public int getMid(){

return mid;

}

public void setUas(int uas){

this.uas=uas;

}

public int getUas(){

return uas;

}

}

**Program 3 :**

package evaluasi.HitungNilai;

public class HitungNilaiAkhir {

public static double nilaiTugas(int tugas1, int tugas2){

return (tugas1+tugas2)/2.0;

}

public static double nilaiAkhir(double tugas, int mid,int uas){

return (tugas\*0.4)+(mid\*0.3)+(uas\*0.3);

}

}

**Program 4 :**

package evaluasi;

import java.io.BufferedReader;

import java.util.Scanner;

import javax.swing.JOptionPane;

import java.io.InputStreamReader;

import evaluasi.HitungNilai.HitungNilaiAkhir;

import evaluasi.Mahasiswa.Identitas;

import evaluasi.Mahasiswa.Nilai;

import java.io.IOException;

public class Utama {

public static void main(String[] args) throws IOException{

BufferedReader masukan = new BufferedReader(new InputStreamReader(System.in));

Identitas identitas = new Identitas();

HitungNilaiAkhir hitungnilai = new HitungNilaiAkhir();

Nilai nilai = new Nilai();

Scanner input = new Scanner(System.in);

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

identitas.setNama(input.nextLine());

System.out.print("Masukkan Stsmbuk : ");

identitas.setStambuk(input.nextLine());

System.out.print("Masukkan Nilai Tugas 1 : ");

nilai.setTugas1(Integer.parseInt(masukan.readLine()));

System.out.print("Masukkan Nilai Tugas 2 : ");

nilai.setTugas2(Integer.parseInt(masukan.readLine()));

System.out.print("Masukkan Nilai Mid : ");

nilai.setMid(Integer.parseInt(masukan.readLine()));

System.out.print("Masukkan Nilai Uas : ");

nilai.setUas(Integer.parseInt(masukan.readLine()));

double tugas = hitungnilai.nilaiTugas(nilai.getTugas1(), nilai.getTugas2());

double na = hitungnilai.nilaiAkhir(tugas, nilai.getMid(), nilai.getUas());

JOptionPane.showMessageDialog(null, "Nama: " + identitas.getNama()+

"\nStambuk: " + identitas.getStambuk()+

"\nNilai Tugas: " + tugas +

"\nNilai MID: " + nilai.getMid()+

"\nNilai UAS: "+ nilai.getUas()+

"\nNilai Akhir: " + na);

}

}