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NIM : A11.2021.13498

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Keperluan : Tugas Praktek 1 – Kalkulator Nilai

ModelNilai.java (Sebagai Modeling terhadap object yang dibuat)

```
1  ↵
2  /*↵
3   **·PB0·--·Pak·Danny·Oka↵
4   **·Author·::·Ryandhika·Bintang↵
5   **·Nim·::·A11.2021.13498↵
6   **·A11.4404↵
7   **/↵
8  ↵
9  public class ModelNilai·{↵
10   ...private String Nama;↵
11   ...private String NIM;↵
12   ...private double nTugas, nUTS, nUAS, nAkhir;↵
13   ...private double pNilaiTugas, pNilaiUTS, pNilaiUAS;↵
14  ↵
15   ...ModelNilai()·{↵
16   ...NIM·="anonymous";↵
17   ...Nama·="anonymous";↵
18   ...nTugas·=·0.0;↵
19   ...nUTS·=·0.0;↵
20   ...nUAS·=·0.0;↵
21   ...}↵
22  ↵
23   ...ModelNilai(String Nama, String NIM, double nTugas, double nUTS, double nUAS)·{↵
24   ...this.Nama·=·Nama;↵
25   ...this.NIM·=·NIM;↵
26   ...this.nTugas·=·nTugas;↵
27   ...this.nUTS·=·nUTS;↵
28   ...this.nUAS·=·nUAS;↵
29   ...}↵
30  ↵
31   ...void hitungNilai()·{↵
32   ...pNilaiTugas·=·0.2;↵
33   ...pNilaiUTS·=·0.35;↵
34   ...pNilaiUAS·=·0.45;↵
35   ...nAkhir·=·(nTugas·*·pNilaiTugas)·+·(nUTS·*·pNilaiUTS)·+·(nUAS·*·pNilaiUAS);↵
36   ...}↵
37  ↵
38   ...void cetakNilai()·{↵
39   ...System.out.println("=====");↵
40   ...System.out.println("Nama·······:"·+·Nama);↵
41   ...System.out.println("NIM·······:"·+·NIM);↵
42   ...System.out.println("Nilai·Tugas·:"·+·nTugas);↵
43   ...System.out.println("Nilai·UTS···:"·+·nUTS);↵
44   ...System.out.println("Nilai·UAS···:"·+·nUAS);↵
45   ...System.out.println("Nilai·Akhir·:"·+·nAkhir);↵
46   ...System.out.println("=====");↵
47   ...}↵
48  ↵
49   ...public String getNIM()·{↵
50   ...return NIM;↵
51   ...}↵
52  ↵
53   ...public String getNama()·{↵
54   ...return Nama;↵
55   ...}↵
56 }
```

DemoKalkulatorNilai.java (Main File / Parent File)

```
1 /*~
2 **PBO~**Pak·Danny·Oka~
3 **Author~**Ryandhika·Bintang~
4 **Nim~**A11.2021.13498~
5 **A11.4404~
6 **/~
7 ~
8 import java.util.Scanner;~
9 ~
10 public class DemoKalkulatorNilai{~
11     public static void main(String[] args){~
12         String reload="";~
13         ~
14         //Default·Constructor~
15         ModelNilai mhs=new ModelNilai();~
16         mhs.hitungNilai();~
17         mhs.cetakNilai();~
18         ~
19         //Overloaded·Constructor~
20         ModelNilai mhs1=new ModelNilai("Ryandhika·Bintang·A.", "A11.2021.13498", 80, 80, 85);~
21         mhs1.hitungNilai();~
22         mhs1.cetakNilai();~
23         ~
24         //Using·loop~
25         do{~
26             System.out.println("*****");~
27             System.out.println("*****KALKULATOR·NILAI*****");~
28             System.out.println("*****");~
29             Scanner inputdata=new Scanner(System.in);~
30             System.out.println("*****INPUT·NILAI·MAHASISWA*****");~
31             System.out.print("Masukkan·Nama·····:");~
32             String Nama=inputdata.nextLine();~
33             System.out.print("Masukkan·NIM·····:");~
34             String NIM=inputdata.nextLine();~
35             System.out.print("Masukkan·Nilai·Tugas··:");~
36             double nTugas=inputdata.nextDouble();~
37             System.out.print("Masukkan·Nilai·UTS····:");~
38             double nUTS=inputdata.nextDouble();~
39             System.out.print("Masukkan·Nilai·UAS····:");~
40             double nUAS=inputdata.nextDouble();~
41             System.out.println("*****");~
42             ~
43             ModelNilai mhs2=new ModelNilai(Nama, NIM, nTugas, nUTS, nUAS);~//Using·Overloaded·
Constructor~
44             ~
45             mhs2.hitungNilai();~
46             mhs2.cetakNilai();~
47             ~
48             System.out.print("Lakukan·Input·Ulang·Nilai?·[Y/N]·:");~
49             Scanner inputUlang=new Scanner(System.in);~
50             reload=inputUlang.nextLine();~
51         }while(reload.toLowerCase().equals("y")|| reload.toLowerCase().equals("yes"));~
52         ~
53     }~
54 }
```