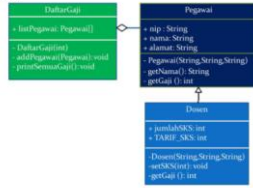




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KELAS : 2C
MATKUL : TUGAS PRAK PBO (Pertemuan 6)

9. TUGAS

1. Buatlah sebuah program dengan konsep pewarisan seperti pada class diagram berikut ini. Kemudian buatlah instansiasi objek untuk menampilkan data nama pegawai dan gaji yang didapatkannya.



Class Pegawai

```
Output - Pertemuan6 (run) x Pegawai.java x Dosen.java x DaftarGaji.java x Main_13.java x
Source History
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package Tugas;
7
8  /**
9   *
10   * @author ddiko
11   */
12  public class Pegawai {
13      String NIP;
14      String Nama;
15      String Alamat;
16
17      public Pegawai(String NIP, String Nama, String Alamat) {
18          this.NIP = NIP;
19          this.Nama = Nama;
20          this.Alatmat = Alamat;
21      }
22
23      public String getNama() {
24          return Nama;
25      }
26
27      public int getGaji() {
28          return 20000000;
29      }
30
31  }
32
33  }
```

Class Dosen

```
Output - Pertemuan6 (run) x Pegawai.java x Dosen.java x DaftarGaji.java x Main_13.java x
Source History
2  /*
3  * To change this license header, choose License Headers in Project Properties.
4  * To change this template file, choose Tools | Templates
5  * and open the template in the editor.
6  */
7  package Tugas;
8
9  /**
10   *
11   * @author ddiko
12   */
13  public class Dosen extends Pegawai {
14
15      private int jumlahSKS;
16      private int TarifSKS = 50000;
17
18
19      public Dosen(String NIP, String Nama, String Alamat) {
20          super(NIP, Nama, Alamat);
21      }
22
23      public void setSKS(int jumlahSKS) {
24          this.jumlahSKS = jumlahSKS;
25      }
26
27
28      @Override
29      public int getGaji() {
30          int BiayaSKS = jumlahSKS*TarifSKS;
31
32          return super.getGaji()+ BiayaSKS;
33      }
34
35  }
36
37  }
```



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Class DaftarGaji

```
Output - Pertemuan6 (run) x Pegawai.java x Dosen.java x DaftarGaji.java x Main_13.java x
Source History [Icons]
6 package Tugas;
7
8 /**
9  *
10  * @author ddiko
11  */
12 public class DaftarGaji {
13
14     private Pegawai[] ListPegawai;
15
16     public DaftarGaji(int ListPegawai) {
17         this.ListPegawai = new Pegawai[ListPegawai];
18         this.initListPegawai();
19     }
20
21     private void initListPegawai() {
22         for (int i = 0; i < this.ListPegawai.length; i++) {
23             this.ListPegawai[i] = new Pegawai(null, null, null);
24         }
25     }
26
27     public void addPegawai(Pegawai ListPegawai) {
28         for (int i = 0; i < this.ListPegawai.length; i++) {
29             if (this.ListPegawai[i].getNama() == null) {
30                 this.ListPegawai[i] = ListPegawai;
31                 break;
32             }
33         }
34     }
35
36     public void printSemuaGaji() {
37         for (int i = 0; i < this.ListPegawai.length; i++) {
38             if (this.ListPegawai[i].getNama() != null) {
39                 System.out.println("Nama : " + ListPegawai[i].getNama());
40                 System.out.println("Gaji : " + ListPegawai[i].getGaji());
41             }
42         }
43     }
44 }
45
46
47
```

Main

```
Output - Pertemuan6 (run) x Pegawai.java x Dosen.java x DaftarGaji.java x Main_13.java x
Source History [Icons]
1 /**
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6 package Tugas;
7
8 /**
9  *
10  * @author ddiko
11  */
12 public class Main_13 {
13
14     public static void main(String[] args) {
15         Pegawai putra = new Pegawai("23", "Dwiwardik", "Kediri");
16         Dosen Putraa = new Dosen("13", "Putra", "Malang");
17         Putraa.setSKS(10);
18         DaftarGaji gaji = new DaftarGaji(2);
19         gaji.addPegawai(putra);
20         gaji.addPegawai(Putraa);
21         gaji.printSemuaGaji();
22     }
23 }
24
25
26
```



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Output

```
Output - Pertemuan6 (run) x Pegawai.java x Dosen.java x DaftarGaji.java x Main_13.java x
run:
Nama : Dwihardik
Gaji : 20000000
Nama : Putra
Gaji : 20500000
BUILD SUCCESSFUL (total time: 1 second)
```