



# Laporan Asistensi

## Tugas Pertama

1. Melanjutkan program studi kasus dan menambahkan ArrayList dan Entity !

### Source Code

```
1. package main;
2.
3. public class dosen {
4.     String nama, nip;
5.     public dosen(String nama, String nip){
6.         this.nama = nama;
7.         this.nip = nip;
8.     }
9.     public String getNama(){
10.        return nama;
11.    }
12.    public String getNip(){
13.        return nip;
14.    }
15.
16. }
```

```
1. package main;
2. import java.util.Date;
3.
4. public class akun {
5.     String nama, npm, nomor, password, kelas,
        hari, sesi, waktu;
6.     Date tanggalLahir;
7.     int indexdosen, indexkursus;
8.
9.     public akun(String nama, String npm, String
        nomor, String password, Date tanggalLahir,
        String kelas, String hari, String sesi, String
        waktu, int indexdosen, int indexkursus) {
10.        this.nama = nama;
11.        this.npm = npm;
12.        this.nomor = nomor;
13.        this.password = password;
14.        this.kelas = kelas;
15.        this.hari = hari;
16.        this.sesi = sesi;
```



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```
17.         this.waktu = waktu;
18.         this.tanggalLahir = tanggalLahir;
19.         this.indexdosen = indexdosen;
20.         this.indexkursus = indexkursus;
21.     }
22.
23.     public String getNama() {
24.         return nama;
25.     }
26.
27.     public void setNama(String nama) {
28.         this.nama = nama;
29.     }
30.
31.     public String getNpm() {
32.         return npm;
33.     }
34.
35.     public void setNpm(String npm) {
36.         this.npm = npm;
37.     }
38.
39.     public String getNomor() {
40.         return nomor;
41.     }
42.
43.     public void setNomor(String nomor) {
44.         this.nomor = nomor;
45.     }
46.
47.     public String getPassword() {
48.         return password;
49.     }
50.
51.     public void setPassword(String password) {
52.         this.password = password;
53.     }
54.
55.     public String getKelas() {
56.         return kelas;
57.     }
58.
59.     public void setKelas(String kelas) {
60.         this.kelas = kelas;
61.     }
```



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```
62.  
63.     public String getHari() {  
64.         return hari;  
65.     }  
66.  
67.     public void setHari(String hari) {  
68.         this.hari = hari;  
69.     }  
70.  
71.     public String getSesi() {  
72.         return sesi;  
73.     }  
74.  
75.     public void setSesi(String sesi) {  
76.         this.sesi = sesi;  
77.     }  
78.  
79.     public String getWaktu() {  
80.         return waktu;  
81.     }  
82.  
83.     public void setWaktu(String waktu) {  
84.         this.waktu = waktu;  
85.     }  
86.  
87.     public Date getTanggalLahir() {  
88.         return tanggalLahir;  
89.     }  
90.  
91.     public void setTanggalLahir(Date  
    tanggalLahir) {  
92.         this.tanggalLahir = tanggalLahir;  
93.     }  
94.  
95.     public int getIndexdosen() {  
96.         return indexdosen;  
97.     }  
98.  
99.     public void setIndexdosen(int indexdosen)  
    {  
100.         this.indexdosen = indexdosen;  
101.     }  
102.  
103.     public int getIndexkursus() {  
104.         return indexkursus;
```



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```
105.     }
106.
107.     public void setIndexkursus(int
        indexkursus) {
108.         this.indexkursus = indexkursus;
109.     }
110. }
```

```
1. package main;
2. public class listkursus {
3.     static String[] Kursus = {"Website",
        "Mechine learning", "Aplikasi"};
4. }
5.
```

```
1. package main;
2.
3. import java.util.ArrayList;
4. import java.text.SimpleDateFormat;
5. import java.util.Date;
6. import java.util.Scanner;
7.
8. public class main {
9.     static ArrayList<dosen> dataDosen = new
        ArrayList();
10.     static ArrayList<akun> dataAkun = new
        ArrayList();
11.     static Scanner in = new
        Scanner(System.in);
12.
13.     public static void main(String[] args){
14.         System.out.println("Selamat Datang di
            Program Kursus ITATS : ");
15.         int pil;
16.         dataDosen();
17.         do{
18.             System.out.println("Pilihan :");
19.             System.out.println("-----
                -----");
```



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```
20.         System.out.println("1. Daftar
         akun ");
21.         System.out.println("2. Login ");
22.         System.out.println("3. exit");
23.         System.out.println("-----
         -----");
24.         System.out.print("Masukkan
         Pilihan : ");
25.         pil = in.nextInt();
26.         switch(pil){
27.             case 1 :
28.                 daftar_akun();
29.                 break;
30.             case 2 :
31.                 System.out.print("NPM :
         ");
32.                 String npm = in.next();
33.
34.                 System.out.print("Password : ");
35.                 String password =
         in.next();
36.                 view(npm, password);
37.                 break;
38.             case 3 :
39.                 System.out.println("Terimakasih telah
         mengunkungi program kami");
40.                 break;
41.             }
42.         }while(pil != 3);
43.     }
44.     static void daftar_akun(){
45.         System.out.print("Nama : ");
46.         String nama = in.next();
47.         System.out.print("NPM : ");
48.         String npm = in.next();
49.         System.out.print("Nomor Handphone :
         ");
50.         String nomor = in.next();
51.         System.out.print("Password : ");
52.         String password = in.next();
53.         System.out.print("Tanggal Lahir
         (mm/dd/yyyy) : ");
```



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```
54.         Date tanggalLahir = new
           Date(in.next());
55.         System.out.print("Kelas : ");
56.         String kelas = in.next();
57.         System.out.print("Hari : ");
58.         String hari = in.next();
59.         System.out.print("Sesi : ");
60.         String sesi = in.next();
61.         System.out.print("Waktu : ");
62.         String waktu = in.next();
63.         System.out.println("-----
-"); //pilih dosen
64.         System.out.println("List Dosen : ");
65.         System.out.println("-----
-");
66.         for(int i = 0; i < dataDosen.size();
           i++){
67.             System.out.println(i + "." +
           dataDosen.get(i).nama);
68.         }
69.         System.out.print("Pilih Dosen : ");
70.         int indexdosen = in.nextInt();
71.         System.out.println("-----
-"); //pilih kursus
72.         System.out.println("List Kursus : ");
73.         System.out.println("-----
-");
74.         for(int i = 0; i <
           listkursus.Kursus.length; i++){
75.             System.out.println(i + "." +
           listkursus.Kursus[i]);
76.         }
77.         System.out.print("Pilih Kursus : ");
78.         int indexkursus = in.nextInt();
79.         dataAkun.add(new akun(nama, npm,
           nomor, password, tanggalLahir, kelas, hari,
           sesi, waktu, indexdosen, indexkursus));
80. //         dataAkun.add(new akun(nama, npm,
           nomor, password, tanggalLahir, kelas, hari,
           sesi, waktu, indexdosen, indexkursus));
81.     }
82.
83.     static void view(String npm, String
           password) {
```



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```
84.         for(int i = 0; i < dataAkun.size();  
            i++){  
85.         if(npm.equals(dataAkun.get(i).getNpm()) &&  
            password.equals(dataAkun.get(i).getPassword())  
            ){  
86.             System.out.println("-----  
            -----");  
87.             System.out.println("Data Diri  
            : ");  
88.             System.out.println("-----  
            -----");  
89.             System.out.println("Nama : "  
            + dataAkun.get(i).getNama());  
90.             System.out.println("NPM : " +  
            dataAkun.get(i).getNpm());  
91.             System.out.println("Tanggal  
            Lahir : " + new SimpleDateFormat("dd-mm-  
            yyyy").format(dataAkun.get(i).getTanggalLahir(  
            )));  
92.             System.out.println("Nomor  
            Handphone : " + dataAkun.get(i).getNomor());  
93.             System.out.println("Kelas : "  
            + dataAkun.get(i).getKelas());  
94.             System.out.println("Hari : "  
            + dataAkun.get(i).getHari());  
95.             System.out.println("Sesi : "  
            + dataAkun.get(i).getSesi());  
96.             System.out.println("Waktu : "  
            + dataAkun.get(i).getWaktu());  
97.             System.out.println("Nama  
            Dosen : " +  
            dataDosen.get(dataAkun.get(i).indexdosen).getN  
            ama());  
98.             System.out.println("NIP Dosen  
            : " + dataDosen.get(i).getNip());  
99.             System.out.println("Kursus :  
            "  
            +  
            listkursus.Kursus[dataAkun.get(i).indexkursus]  
            );  
100.            System.out.println("-----  
            -----");  
101.        }else{  
102.            System.out.println("NPM atau  
            Password anda salah");
```



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```
103.         }
104.     }
105. }
106.
107.     static void dataDosen(){
108.         String nama[] = {"Farida", "Andy
    Rahman", "Kurniawan"};
109.         String nip[] = {"01", "02", "03"};
110.         for(int i =0; i < nama.length; i++){
111.             dataDosen.add(new dosen(nama[i],
    nip[i]));
112.         }
113.     }
114. }
```

## Output Program

```
run:
Selamat Datang di Program Kursus ITATS :
Pilihan :
-----
1. Daftar akun
2. Login
3. exit
-----
Masukkan Pilihan : 1
Nama : Mahameru
NPM : 07454
Nomor Handphone : 085646452991
Password : 123
Tanggal Lahir (mm/dd/yyyy) : 05/04/2003
Kelas : Q
Hari : Senin
Seesi : 2
Waktu : 14.00
-----
List Dosen :
-----
0.Farida
1.Andy Rahman
2.Kurniawan
Pilih Dosen : 0
-----
List Kursus :
-----
0.Website
1.Machine Learning
2.Aplikasi
Pilih Kursus : 0
Pilihan :
-----
1. Daftar akun
2. Login
```

```
df-studi_kasus (run)
2.Aplikasi
Pilih Kursus : 0
Pilihan :
-----
1. Daftar akun
2. Login
3. exit
-----
Masukkan Pilihan : 2
Nama : Mahameru
NPM : 07454
Nomor Handphone : 085646452991
Password : 123
-----
Data Diri :
-----
Nama : Mahameru
NPM : 07454
Tanggal Lahir : 04-00-2003
Nomor Handphone : 085646452991
Kelas : Q
Hari : Senin
Seesi : 2
Waktu : 14.00
Nama Dosen : Farida
NIP Dosen : 01
Kursus : Website
-----
Pilihan :
-----
1. Daftar akun
2. Login
3. exit
-----
Masukkan Pilihan : 3
Terimakasih telah mengunjungi program kami
BUILD SUCCESSFUL (total time: 1 minute 51 seconds)
```