



Laporan Asistensi

Tugas Pertama

*Penerapan Constructor dengan parameter, ArrayList, Fitur Login, CRUD
(Create, Read, update, delete) dan inheritance*

Source Code

```
1. package com;
2. import java.util.Scanner;
3.
4. public class Main {
5.     public static void main(String[] args) throws
        Exception {
6.         CRUD obj1 = new CRUD();
7.         Scanner inp = new Scanner(System.in);
8.         do {
9.             System.out.println("\n Kursus Coding
        ESA.com");
10.
11.         System.out.println("=====");
12.         System.out.println("1. Daftar Akun");
13.         System.out.println("2. Login ");
14.         System.out.println("3. Edit ");
15.         System.out.println("4. Hapus");
16.         System.out.println("5. lihat ");
17.         System.out.println("6. Exit");
18.         System.out.print("pilih : ");
19.         obj1.pilih = inp.nextInt();
20.         switch (obj1.pilih){
21.             case 1:
22.                 System.out.print("\033[H\033[2J");
23.                 System.out.flush();
24.                 obj1.Daftar();
25.                 break;
26.             case 2:
27.                 System.out.print("\033[H\033[2J");
28.                 System.out.flush();
29.                 obj1.Login();
30.                 break;
31.             case 3:
32.                 System.out.print("\033[H\033[2J");
33.                 System.out.flush();
34.                 obj1.upDate();
35.                 break;
```



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```
35.         case 4:
36.             System.out.print("\033[H\033[2J");
37.             System.out.flush();
38.             obj1.delete();
39.             break;
40.         case 5:
41.             System.out.print("\033[H\033[2J");
42.             System.out.flush();
43.             obj1.display();
44.         }
45.     } while (obj1.pilih != 6);
46. }
47. }
48. package com;
49. public class dataKursus {
50.     String kursus;
51.     dataKursus (String kur){
52.         this.kursus = kur;
53.     }
54.     public String getKursus() {
55.         return kursus;
56.     }
57. }
58.
59. package com;
60.
61. public class dataReg extends induk{
62.     public dataReg(String fname , String lname ,
63.         String adres , String tlp ,
64.         String pw , int inpdtkrs ){
65.         super.fname = fname;
66.         super.lname = lname;
67.         super.addrs = adres;
68.         super.notlp = tlp;
69.         super.pw = pw;
70.         super.inpdtkrs = inpdtkrs;
71.     }
72.     public String getAddrs() {
73.         return addrs;
74.     }
75.     public String getFnama() {
76.         return fname;
77.     }
78.     public int getInpdtkrs() {
79.         return inpdtkrs;
```



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```
79.     }
80.     public String getLname() {
81.         return lname;
82.     }
83.     public String getNotlp() {
84.         return notlp;
85.     }
86.     public String getPw() {
87.         return pw;
88.     }
89. }
90. class induk {
91.     public String fnama , lname , addr , notlp ,
    pw ;
92.     public int inpdtkrs;
93. }
94. package com;
95. import java.util.Scanner;
96. import java.util.ArrayList;
97. public class CRUD {
98.     Scanner inp = new Scanner(System.in);
99.     public int pilih;
100.    ArrayList<dataKursus> arr = new ArrayList<>();
101.    ArrayList<dataReg> arrReg = new ArrayList<>();
102.    int idxLogin;
103.    public int inpDatakursus;
104.    public String FName , Lname , Alamat, Tanggal ;
105.    public String pw , telp;
106.    public boolean log = false ;
107.    //getter
108.    public String getAlamat() {
109.        return Alamat;
110.    }
111.    public String getFname() {
112.        return FName;
113.    }
114.    public String getLname() {
115.        return Lname;
116.    }
117.    public String getTanggal() {
118.        return Tanggal;
119.    }
120.    public String getPw() {
121.        return pw;
122.    }
```



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```
123.     public String getTelp() {
124.         return telp;
125.     }
126.
127.     public void upDate() {
128.         if (log == true) {
129.             System.out.println("\nSISTEM EDIT\n");
130.             System.out.println("akun " +
                arrReg.get(idxLogin).getFnama() + " " +
                arrReg.get(idxLogin).getLname() + " yang akan
                diedit");
131.             System.out.println("=====");
132.             System.out.print("nama depan      :
                ");
133.             Fname = inp.next();
134.             Fname = getFname();
135.             System.out.print("nama belakang :
                ");
136.             Lname = inp.next();
137.             Lname = getLname();
138.             System.out.print("Alamat          :
                ");
139.             Alamat = inp.next();
140.             Alamat = getAlamat();
141.             System.out.print("No telp          :
                ");
142.             telp = inp.next();
143.             telp = getTelp();
144.             System.out.print("Password          :
                ");
145.             pw = inp.next();
146.             pw = getPw();
147.             viewDatakursus();
148.             System.out.print("pilih kursus :
                ");
149.             inpDatakursus = inp.nextInt();
150.             System.out.println("=====");
151.             System.out.println("nama lengkap
                : " + getFname() + " " + getLname());
152.             System.out.println("Alamat
                : " + getAlamat());
153.             System.out.println("No telp
                : " + getTelp());
```



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```
154.             if(inpDatakursus == 1){
155.                 System.out.println("kursus
: " + arr.get(inpDatakursus - 1).getKursus());
156.             }
157.             else if (inpDatakursus == 2 ){
158.                 System.out.println("kursus
: " + arr.get(inpDatakursus - 1).getKursus());
159.             }
160.             else if (inpDatakursus == 3 ){
161.                 System.out.println("kursus
: " + arr.get(inpDatakursus - 1).getKursus());
162.             }System.out.println("=====");
163.
164.             arrReg.set(idxLogin, new
dataReg(Fname, Lname, Alamat, telp, pw,
inpDatakursus));
165.         }else if(log == false){
166.             System.out.println("LOGIN terlebih
dahulu yaa hehe");
167.         }else if(arrReg.isEmpty()){
168.             System.out.println("DAFTAR DULU WOE");
169.         }
170.     }
171.
172.     public void Daftar(){
173.
System.out.println("=====
=====");
174.         System.out.println("Daftar Akun kursus
\n");
175.         System.out.print("nama depan    : ");
176.         Fname = inp.next();
177.         Fname = getFname();
178.         System.out.print("nama belakang : ");
179.         Lname = inp.next();
180.         Lname = getLname();
181.         System.out.print("Alamat        : ");
182.         Alamat = inp.next();
183.         Alamat = getAlamat();
184.         System.out.print("No telp      : ");
185.         telp = inp.next();
186.         telp = getTelp();
187.         System.out.print("Password     : ");
188.         pw = inp.next();
```



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```
189.         pw = getPw();
190.         dataKursus();
191.
192.         System.out.println("=====
=====");
193.         System.out.println("Daftar Kursus di Kursus
ESA : \n");
194.         viewDatakursus();
195.         System.out.print("pilih kursus : ");
196.         inpDatakursus = inp.nextInt();
197.         arrReg.add(new dataReg(Fname, Lname,
Alamat, telp, pw,inpDatakursus));
198.         System.out.println("\nAKUN ANDA BERHASIL
DIBUAT");
199.         System.out.println("=====");
200.         System.out.println("nama lengkap      : " +
getFname()+ " " + getLname());
201.         System.out.println("Alamat              : " +
getAlamat());
202.         System.out.println("No telp            : " +
getTelp());
203.         if(inpDatakursus == 1){
204.             System.out.println("kursus          : "
+ arr.get(inpDatakursus - 1).getKursus());
205.         }
206.         else if (inpDatakursus == 2 ){
207.             System.out.println("kursus          : "
+ arr.get(inpDatakursus - 1).getKursus());
208.         }
209.         else if (inpDatakursus == 3 ){
210.             System.out.println("kursus          : "
+ arr.get(inpDatakursus - 1).getKursus());
211.         }
212.
213.         public void viewDatakursus(){
214.             System.out.println("1. " +
arr.get(0).getKursus());
215.             System.out.println("2. " +
arr.get(1).getKursus());
216.             System.out.println("3. " +
arr.get(2).getKursus());
217.         }
218.         public void display() {
```



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```
219.         if(arrReg.isEmpty() == false){
220.             for(int i = 0 ; i < arrReg.size() ;
                i++){
221.                 System.out.println("account ke-" +
                    (i+1));
222.                 System.out.println("=====");
223.                 System.out.println("Nama lengkap
                    : " + arrReg.get(i).getFnama()+ " " +
                    arrReg.get(i).getLname());
224.                 System.out.println("Alamat
                    : " + arrReg.get(i).getAddrs());
225.                 System.out.println("No telp
                    : " + arrReg.get(i).getNotlp());
226.                 if(inpDatakursus == 1){
227.                     System.out.println("kursus
                    : " + arr.get(inpDatakursus - 1).getKursus());
228.                 }
229.                 else if (inpDatakursus == 2 ){
230.                     System.out.println("kursus
                    : " + arr.get(inpDatakursus - 1).getKursus());
231.                 }
232.                 else if (inpDatakursus == 3 ){
233.                     System.out.println("kursus
                    : " + arr.get(inpDatakursus - 1).getKursus());
234.                 }System.out.println("=====");
235.             }
236.         }
237.         else if (arrReg.isEmpty() == true){
238.             System.out.println("\nTIDAK ADA AKUN
                YANG DIISI");
239.             System.out.println("YAAAAA KOSONG
                AOKAOWKOAWK");
240.         }
241.     }
242.     public int l;
243.     public void Login() {
244.         String login;
245.         String pws;
246.         System.out.println("=====
            =====");
247.         System.out.println("Login akun kursus di
            kursus ESA ");
```



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```
248.         System.out.print("nama depan    : ");
249.         login = inp.next();
250.         System.out.print("Password      : ");
251.         pwS = inp.next();
252.         for( l = 0 ; l < arrReg.size(); l++){
253.             if
                (login.equals(arrReg.get(l).getFnama()) &&
                 pwS.equals(arrReg.get(l).getPw())){
254.                 {
255.                     System.out.println("\n--ANDA
                        SUDAH LOGIN--");
256.
257.                     System.out.println("=====");
258.                     System.out.println("nama
                        lengkap : " + arrReg.get(l).getFnama() + " " +
                        arrReg.get(l).getLname());
259.                     System.out.println("Alamat
                        : " + arrReg.get(l).getAddrs());
260.                     System.out.println("No telp
                        : " + arrReg.get(l).getNotlp());
261.                     System.out.println("kursus
                        : " + arr.get(inpDatakursus-1).getKursus());
262.                     System.out.println("=====");
263.                     log = true;
264.                     idxLogin = l;
265.                 }else if(arrReg.isEmpty()){
266.                     System.out.println("DAFTAR DULU
                        WOE");
267.                 }else if(login !=
                        arrReg.get(l).getFnama() && pwS !=
                        arrReg.get(l).getPw()){
268.                     System.out.println("data yang
                        anda masukkan salah");
269.                 }
270.             }
271.         }
272.         void delete(){
273.             if (log == true){
274.
275.                 System.out.println("=====");
276.                 System.out.println("ini adalah sistem
                        DELETE");
```




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```
276.         System.out.println("apakah anda ingin
menghapus akun " + arrReg.get(idxLogin).getFnama()
277.         + " " + arrReg.get(idxLogin).getLname()
+ " (y/t)?");
278.         String y = inp.next();
279.         if (y.equals("y")){
280.             arrReg.remove(idxLogin);
281.         }else if(y.equals("t")){
282.             System.out.println("delete
dibatalkan");
283.         }
284.         }else if (log == false){
285.             System.out.println("LOGIN DULU YA
HEHE");
286.         }else if(arrReg.isEmpty()){
287.             System.out.println("DAFTAR DULU WOE");
288.         }
289.     }
290.     void dataKursus(){
291.         String dataK[] = {"kursus coding java" ,
"kursus coding phyton" , "kursus coding javascript"};
292.         for (int i = 0 ; i < dataK.length ; i++){
293.             arr.add(new dataKursus(dataK[i]));
294.         }
295.     }
296. }
297.
298.
```

Output Program

```
Kursus Coding ESA.com
=====
1. Daftar Akun
2. Login
3. Edit
4. Hapus
5. lihat
6. Exit
pilih : 1
```



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```
=====
Daftar Akun kursus

nama depan    : maulana
nama belakang : akbar
Alamat        : gresik
No telp       : 0858
Password      : 123
=====

Daftar Kursus di Kursus ESA :

1. kursus coding java
2. kursus coding phyton
3. kursus coding javascript
pilih kursus : 1

AKUN ANDA BERHASIL DIBUAT
=====
nama lengkap  : maulana akbar
Alamat        : gresik
No telp       : 0858
kursus        : kursus coding java

Kursus Coding ESA.com
=====
1. Daftar Akun
2. Login
3. Edit
4. Hapus
5. lihat
6. Exit
pilih : 2
```

```
=====
Login akun kursus di kursus ESA
nama depan    : maulana
Password      : 123

--ANDA SUDAH LOGIN--
=====
nama lengkap  : maulana akbar
Alamat        : gresik
No telp       : 0858
kursus        : kursus coding java
=====

Kursus Coding ESA.com
=====
1. Daftar Akun
2. Login
3. Edit
4. Hapus
5. lihat
6. Exit
pilih : 3
```



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SISTEM EDIT

akun maulana akbar yang akan diedit

=====

nama depan : esa

nama belakang : putra

Alamat : gresik

No telp : 12

Password : 123

1. kursus coding java

2. kursus coding phyton

3. kursus coding javascript

pilih kursus : 2

=====

nama lengkap : esa putra

Alamat : gresik

No telp : 12

kursus : kursus coding phyton

=====

Kursus Coding ESA.com

=====

1. Daftar Akun

2. Login

3. Edit

4. Hapus

5. lihat

6. Exit

pilih : 5

account ke-1

=====

Nama lengkap : esa putra

Alamat : gresik

No telp : 12

kursus : kursus coding phyton

=====

Kursus Coding ESA.com

=====

1. Daftar Akun

2. Login

3. Edit

4. Hapus

5. lihat

6. Exit

pilih : 4



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```
=====
ini adalah sistem DELETE
apakah anda ingin menghapus akun esa putra (y/t)?
y
```

```
TIDAK ADA AKUN YANG DIISI
YAAAAA KOSONG AOKAOWKOAWK
```

```
Kursus Coding ESA.com
```

```
=====
1. Daftar Akun
2. Login
3. Edit
4. Hapus
5. lihat
6. Exit
pilih :
```