Laporan Tugas 6 PBO

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1. Konstruktor Program

Code:

```
🖥 TestFoo_11S18014.java 🗵 📙 Foo_11S18014.java 🗵
                                       class Foo_11S18014{
                                                public String nama;
public Foo_11S18014 cintake;
 3
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                                                public Foo_11S18014 sayangke;
                                                 public Foo_11S18014()
                                                           nama = "";
cintake = null;
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                                                              sayangke = null;
                                                  public Foo_11S18014(String nama, Foo_11S18014 cintake, Foo_11S18014 sayangke){
                                                          this.nama = nama;
this.cintake = cintake;
                                                           this.sayangke = sayangke;
                                                   public String toString()
                                                              return(
                                                          "\n" + \"
"\01 = [" + nama + ", >>(\color 2)" + ", >>(\color 1)" + "],\n" + \"
"\color = [" + cintake.sayangke.nama + ", >>(\color 1)" + ", >>(\color 3)" + "],\n" + \"
"\color = [" + cintake.nama + ", >>(\color 1)" + ", >>(\color 2)" + "]" + \"
                                                  public Foo_11S18014 clone(Foo_11S18014 A)
                                                          return A;
                                                  public Foo_11S18014 deepclone(Foo_11S18014 A)
                                                            return new Foo_11S18014(A.nama, new Foo_11S18014 (A.cintake.nama, new Foo_11S18014(), new Foo_11S180(), new Foo_11S180(), new Foo_11S180(), new Foo_11S180(), new Foo_11S180(), new Foo_11S180(), new Foo_11S1
```

Program di atas berisi tentang kontruktor yang dibangun dalama membuat kelas Foo.

Line 3-6 = atribut yang digunakan dalam kelas Foo

Line 7-12 = berisi contrktor kosong

Line 18-26 = berisi method String toString yang berguna untuk menampilkan nilai

Line27-29 = berisi method clone

Line 31-36 berisi method deepclone

```
🔚 TestFoo_11S18014.java 🔀 📙 Foo_11S18014.java 🗵
         public class TestFoo_11S18014{
   2
              public static void main(String args []){
   3
                  Foo_11S18014 A = new Foo_11S18014("", new Foo_11S18014("", new Foo_11S18014(),
   4
                   new Foo_11S18014("", new Foo_11S18014(), null)), null);
   5
   6
7
                  Foo_11S18014 B= A;
                  Foo_11S18014 C;
                  Foo_11S18014 D;
   8
   9
                  A.nama = "x";
 10
                  A.sayangke = A;
 11
 12
 13
                  A.cintake.nama = "y";
 14
                  A.cintake.cintake = A.cintake;
 15
 16
                  A.cintake.sayangke.nama = "z";
 17
                  A.cintake.sayangke.cintake = A.sayangke;
 18
                  A.cintake.sayangke.sayangke = A.cintake.sayangke;
 19
 20
                  C = A.clone(A);
 21
                  D = A.deepclone(A);
 22
23
                 System.out.println("Objekn sebelum diubah : ");
System.out.println("");
System.out.println("clone : " + C);
System.out.println("deepclone : " + D);
 24
 25
 26
 27
                  System.out.println();
                 System.out.println("Objek setelah diubah : ");
System.out.println("");
 28
 29
                 A.nama = "a";
 30
                  A.cintake.nama = "b";
 31
                 A.cintake.sayangke.nama = "c";
System.out.println("clone:" + C);
System.out.println("deepclone:" + D);
 32
33
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 38
              }
 39
 40
```

Program di atas berisi program Tester untuk Foo\_11S18014.java

Hasil;

```
D:\semester3\PBO\Tugas5>javac TestFoo_11518014.java

D:\semester3\PBO\Tugas5>javac TestFoo_11518014.java

D:\semester3\PBO\Tugas5>java TestFoo_11518014

Objekn sebelum diubah:

clone:

O1 = [x, >>(O2), >>(O1)],
O2 = [z, >>(O1), >>(O2)]

deepclone:
O1 = [x, >>(O2), >>(O1)],
O2 = [z, >>(O1), >>(O2)]

Objek setelah diubah:

clone:
O1 = [a, >>(O2), >>(O1)],
O2 = [c, >>(O1), >>(O2)]

deepclone:
O1 = [a, >>(O2), >>(O1)],
O2 = [c, >>(O1), >>(O2)]

deepclone:
O1 = [a, >>(O2), >>(O1)],
O2 = [c, >>(O1), >>(O2)]

deepclone:
O1 = [a, >>(O2), >>(O1)],
O3 = [b, >>(O1), >>(O2)]
```

Setelah decompile program berhasil, karena programnya sukses