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19seit_L01_exercise_code.txt
19seit_L01_exercise_code
package seit_1;
public class Main1
public static void main(String[] args)
           Person w1 = new Person("aaa", 1, 2, 1991); w1.type = 2;
Person w2 = new Person("bbb", 3, 4, 1993); w2.type = 2;
Person w3 = new Person("ccc", 5, 6, 1995); w3.type = 2;
           Person b1 = new Person("ddd", 7, 8, 1997); b1.type = 1;
           b1.worker = new Person[10];
Person b2 = new Person("eee", 9,10, 1999); b2.type = 1;
           b2.worker = new Person[10];
           w1.boss = b1; b1.worker[b1.nworkers++] = w1;
w2.boss = b1; b1.worker[b1.nworkers++] = w2;
w3.boss = b1; b1.worker[b1.nworkers++] = w3;
           b1.print(System.err); System.err.print("\n");
b2.print(System.err); System.err.print("\n");
w1.print(System.err); System.err.print("\n");
w2.print(System.err); System.err.print("\n");
w3.print(System.err); System.err.print("\n");
package seit_1;
import java.io.PrintStream;
public class Person
           Person(String n, int d, int m, int y)
           name = n;
           dob_d = d;
           dob_m = m;
           dob_y = y;
           boss = null;
           worker = nu11;
           nworkers = 0;
public void
                       print(PrintStream ps)
           ps.print(String.format("%s: born on %02d/%02d/%4d", name, dob_d, dob_m,
dob_y));
if (type == 1)
                       else
                       ps.print(" is bossed by "+boss.name);
           }
                      name;
dob_d, dob_m, dob_y;
public
           String
                                                         // date of birth
public
           int
                                  //1 = Boss, 2 = Worker
public
           int
                       type;
public
           Person
                      boss;
public Person[] worker;
```

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public int
}
                nworkers;
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## Output

ddd: born on 07/08/1997 bosses: aaa bbb ccc eee: born on 09/10/1999 bosses: aaa: born on 01/02/1991 is bossed by ddd bbb: born on 03/04/1993 is bossed by ddd ccc: born on 05/06/1995 is bossed by ddd