

```

/** An instance is a worker in a certain organization */
// SOME METHODS OMITTED FOR SPACE
public class Worker {
    private String name; /* Last name (null if unknown/none,
                          o.w. at least one character) */
    private int ssn;      // Social security #: in 0..999999999
    private Worker boss; // Immediate boss (null if none)

    /** Constructor: a worker with last name n
        (null if unknown/none), SSN s, and boss b (null if none).
        * Precondition: if n not null, it has at least one character.
        * Precondition: s in 0..999999999 with no leading zeros,
        * so SSN 012-34-5678 should be given as 12345678.*/
    public Worker(String n, int s, Worker b) {
        name= n;
        ssn= s;
        boss= b;
    }

    /** = boss of this Worker */
    public Worker getBoss() {
        return boss;
    }
}

```

**Test that the boss field is filled in correctly by the constructor
(also tests getter method)**

File->new JUnit test case ... [save in same directory as Worker.java] imports junit.framework.TestCase, with key methods.

```
/** Test constructor*/
```

```
public void testConstructor() {
```

```
    Worker w1= new Worker("Obama", 123456789, null);  
    assertEquals(null, w1.getBoss());
```

```
    Worker w2= new Worker("Biden", 2, w1);  
    assertEquals(w1, w2.getBoss());
```

```
    // other fields should be checked similarly
```

```
}
```

Every time you click button Test in DrJava, this method (and all other testX methods) will be called.

assertEquals(x,y): test whether **x** equals **y** ; print an error message and stop the method if they are not equal.

x: expected value,
y: actual value.

See page 488 for some other methods.