CS1102S Data Structures and Algorithms

Assignment CC04: Java Details

1. Write a Java class Counter that counts the number of instances (direct instances or instances of sub-classes), and prints that number whenever an instance is created.

Example:

new Counter();

leads to the following output:

This is Counter object number: 4

(assuming that there were three Counter objects previously created)

2. Write a Java class ThisSuperConstructor that contains the following line:

this();

such that replacing the line by

super();

leads to a different program behavior.

3. Write a Java class ThisSuperCall that contains the following line:

this.m(); such that replacing the line by super.m(); leads to a different program behavior.