**Java Homework Review #2**

**1. Identify the logic errors in the statements below, which should display a single appropriate message for any value of age:**

if (age < 18) {

System.out.println(“child”);

} else if (age > 18 && age < 65) { // does not print anything if age is equal to 18.

System.out.println(“adult”);

} else if (age > 65) { // does not print anything if age is equal to 65

System.out.println(“senior”);

}

**6. What initial values of x would make the loop infinite?**

do {

x = x - 3;

} while (x < 120);

Answer: No value of x will make the loop infinite. The loop will go on for a while, but it will eventually reach the minimum value that an “int” can hold in java causing the loop to stop.