ICE#4

1. Display the output of the program ICE#11.6

In class dynamicBindingDemo in condition of if statement change o1 to o. This results in program crash.

1. Explain discuss program crash!
2. Reasonable ways this crash can be avoided.

public class DynamicBindingDemo {

public static void main(String[] args) {

Object o = new GraduateStudent(); // implicit casting

Object o1 = new Object();

if (o1 instanceof GraduateStudent) {

System.out.println("Never got here");

GraduateStudent gs = (GraduateStudent)o1; // explicit casting

}

m(o);

m(new Student());

m(new Person());

m(new Object());

}

public static void m(Object x) {

System.out.println(x.toString());

}

}

class GraduateStudent extends Student {

}

class Student extends Person {

public String toString() {

return "Student";

}

}

class Person extends Object {

public String toString() {

return "Person";

}

}