Chapter 1

Exercise 1.1

Exercise 1.2

Every time you call moveDown, the circle moves further downwards. The first time you call makeInvisable, the circle disappears, and when you call it again it stays invisable.

Exercise 1.3

To move the circle to left 70 pixels invoke the moveHorizontal method and enter in -70.

Exercise 1.4

Exercise 1.5

The circles color changes to black.

Exercise 1.6

Error: cannot find symbol.

Exercise 1.7

Exercise 1.8

Exercise 1.9

I picked the picture on the right to recreate. First I started by creating 2 circles and 2 people, then made them all visible and changed the color. The first circle was green, 2000 diameter, -780 xPosition, and 240 yPosition. The second circle was yellow, 30 diameter, 380 xPosition, and 140 yPosition. The first person was black, 55 height, 25 width, 260 xPosition, and 205 yPosition. The second person was black, 40 height, 20 width, 285 xPosition, and 215 y Position.

Exercise 1.10

Exercise 1.11

Exercise 1.12

Person person4 = new Person();

person4.makeVisible();

person4.moveRight();

Exercise 1.13

Exercise 1.14

It looks like it is creating objects from the different classes.

Exercise 1.15

Exercise 1.22

It returns the name of the student.

Exercise 1.24

It returns the number of students enrolled in the class, which is 0 right now.

Exercise 1.28

String instructor, String room, String timeAndDay, ArrayList<Student> students, and in capacity.

Exercise 1.31

0: int

“hello”: string

101: int

-1: int

true: boolean

“33”: string

3.1415: double

Exercise 1.32

Create a method in the Circle class.

Exercise 1.33

public void send(String …)

Exercise 1.34

public int average(int …, int …)

Exercise 1.35

It is an object, its class would be book.

Exercise 1.36

I believe that an object can be made from one class, but that class can use objects from other classes (picture class in house project).

Exercise 2.1

Exercise 2.2

0

Exercise 2.3

If you put in too much money you do not get a refund, and if you do not put enough money in you can still print a ticket.

Exercise 2.5

The only difference is the price on the ticket.

Exercise 2.6

public class Student {

}

public class LabClass {

}

Exercise 2.7

It doesn’t work if you put before public, get an error <identifier> expected.

Exercise 2.8

You can leave out the word public.

Exercise 2.9

Cannot leave out class.

Exercise