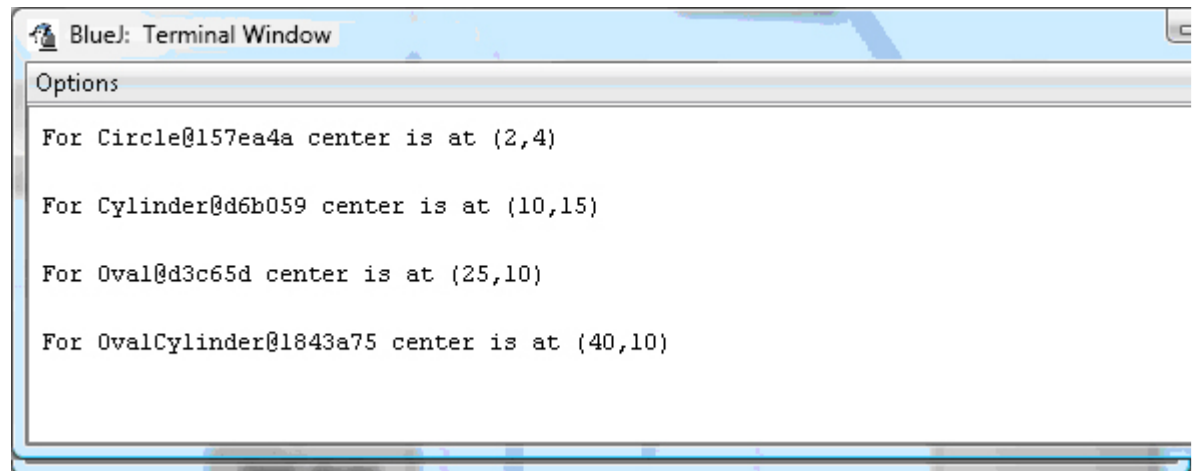


13.03 Assignment Instructions

Instructions: For this assignment, you will need to use the **Circle**, **Cylinder**, **Oval**, and **OvalCylinder** classes used in lesson 13.02.

1. Be sure that you downloaded the **Circle.java**, **Cylinder.java**, **Oval.java**, and **OvalCylinder.java** files to your Polymorphism projects folder.
2. To avoid confusion, rename these classes as **Circle2**, **Cylinder2**, **Oval2**, and **OvalCylinder2** before proceeding any further.
3. Create a class called **TestPoly2**.
4. Create a method in **TestPoly2** that will accept an object of any one of those classes as input and then output the result of calling the **getCenter()** method that they all have in common. Call this method **showCenter()**. Make sure that you identify the object's reference as part of the output of **showCenter()**. For example, in the sample output shown below, **Circle@1573a4a** refers to a memory location for the object.
5. Create a **main()** method that tests the **showCenter()** method on objects of each class type. Use an **ArrayList** of objects of the different classes and a for loop to run through calls to **showCenter()**.
6. Save the program as **TestPoly2.java**.

Expected output from running **main()** should be:



```
BlueJ: Terminal Window
Options
For Circle@157ea4a center is at (2,4)
For Cylinder@d6b059 center is at (10,15)
For Oval@d3c65d center is at (25,10)
For OvalCylinder@1843a75 center is at (40,10)
```