

Textbook Page 106

4. Assume the variables result, w, x, y, and z are all integers, and that w = 5, x = 4, z = 2. What value will be stored in result in each of the following statements?

- a. result = x + y;
- b. result = z \* 2;
- c. Result = y / x;
- d. Result = y - z;
- e. Result = w % 2;

Testing the code

```
System.out.println("Part a: " + result);
  Error: cannot find symbol - method outprint
System.out.println("Part a: " + result);
w = 5;
x = 4;
y = 8; z = 2;
System.out.println("Part a: " + result);
result = x + y;
System.out.println("Part a: " + result);
```

My first error was a syntax error, forgetting a period after out, but after I printed I still got a 0 so I figured I did not add x and y.

```
Part a: 0
Part a: 0
Part a: 12
```

Results first two I forgot to assign x and y values

```
8 public class Pg106_VincentN
9 {
10     public static void main(String[] args)
11     {
12         int result, w, y;
13         int x;
14         int z;
15
16         w = 5;
17         x = 4;
18         y = 8; z = 2;
19
20         result = x + y;
21         System.out.println("part a: "+result);
22     }
23 }
```

Line 12, you can assign the variables on one line.

Line 21, this is how you put a title or text in front of a variable

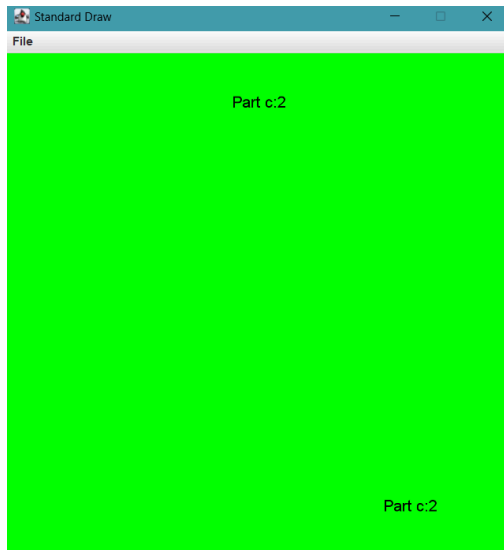
Added code to part b

```
24 public static void partB()  
25 {  
26     // double slash is a comment. A note  
27     // We will calculate result = z * 2;  
28     int result, x, y, w, z;  
29     w = 5; x = 4; y = 8; z = 2;  
30     result = z * 2;  
31     System.out.println("part b: " + result);  
32 }  
33  
34 }
```

Added code to part c but on graphics

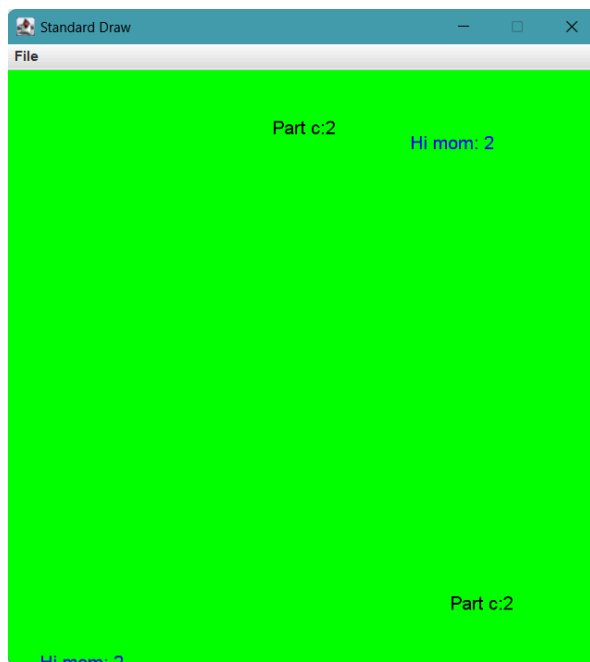
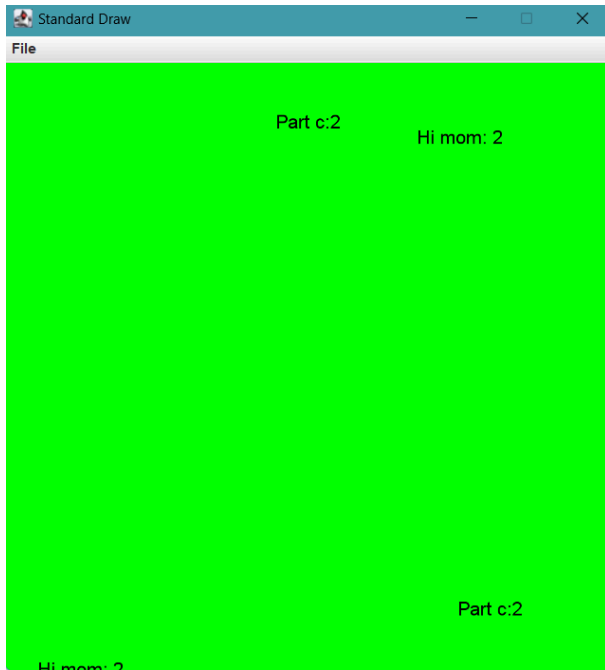
```
35 public static void partCwGraphics()  
36 {  
37     int result, w, x, y, z;  
38     w = 5; x = 4; y = 8; z = 2;  
39     result = y / x;  
40     System.out.println("part c; " + result);  
41  
42     //Now we will output to a graphics screen  
43     Draw scr = new Draw( );  
44     scr.clear(Draw.GREEN);  
45     scr.setXscale( 0, 400 );  
46     scr.setYscale( 400, 0 );  
47     String msg = "Part c:" + result; // converts to string  
48     scr.text(200, 40, msg);  
49     scr.text(320, 360, msg);
```

Result from graphics screen



Added my own message to the graphics and moved it to different locations

```
35 public static void partCwGraphics()  
36 {  
37     int result, w, x, y, z;  
38     w = 5; x = 4; y = 8; z = 2;  
39     result = y / x;  
40     System.out.println("part c; " + result);  
41  
42     //Now we will output to a graphics screen  
43     Draw scr = new Draw( );  
44     scr.clear(Draw.GREEN);  
45     scr.setXscale( 0, 400 );  
46     scr.setYscale( 400, 0 );  
47     String msg = "Part c:" + result; // converts to string  
48     scr.text(200, 40, msg);  
49     scr.text(320, 360, msg);  
50     String message = "Hi mom: " + result;  
51     scr.text(300, 50, message);  
52     scr.text(50, 400, message);  
53  
54 }  
55 }
```



Changed the color of the text.  
At line 50

```
50     scr.setPenColor(Draw.BLUE);  
51     String message = "Hi mom: " + result;  
52     scr.text(300, 50, message);  
53     scr.text(50, 400, message);  
54 }
```