

Homework

Screen Output 2

1. **HW3_Output1.java:** Write the program to produce the following output. Minimize the number of characters in string literals (quotes) by using equations, and control characters. In other words:

- On the third line, you should **print the equation** $5*2=$

But instead of printing the answer, **calculate the answer**, and have java print it in the appropriate place.

- Any time there are **multiple space characters** together, **use a tab character instead** of using multiple spaces. (Normally, we would NOT do this, but I want to see that you know how to use a tab character.)

- For the **three blank lines** (>), use a **new line character** (\n) to get them printed.

Question – Output
<pre> 5 ^^^3 5*2=10 My name is^^^^^^^George!!!! 3.0^^^10.563^^harry > > > I^think^I^got^it!</pre>

2. Determine the output of each of the following statements. Assume tab occurs every **5 spaces**. Please use '^' to **represent a space**, and '>' to **represent blank line**. List the output of the following lines.

NOTE: All of these code fragments should work properly, but I have purposely done things to certain characters so that they will **not run properly if copy-pasted** into a .java file.

NONE of these print commands are intended to result in an error.

If you would like to test the code to double-check your answers, you will need to **re-type the code** fragments, a **copy-paste will NOT work**.

	Code:	Output
a)	<code>System.out.println("silly");</code>	silly >
b)	<code>System.out.println("5*6="+ (5 * 6));</code>	5*6=30 >
c)	<code>System.out.println("The^answer^is:^^");</code>	The^answer^is:^^ >
d)	<code>System.out.print("abc");</code>	abc
e)	<code>System.out.print("\the^answer\nis:");</code>	^^^^he^answer is
f)	<code>System.out.println("yes\n\nname");</code>	yes > name >

g)	<code>System.out.println("\\\\\\\\n2+3");</code>	<code>\\\\n2+3</code> >
h)	<code>System.out.println("\n\\tthhhh\n\n"+"A");</code>	> <code>\^^^^thhhh</code> > A >
i)	<code>System.out.print("big");</code> <code>System.out.println("New\nYork\n");</code> <code>System.out.println("apple");</code>	bigNew York > apple >
j)	<code>System.out.println(34.789);</code>	34.789 >
k)	<code>System.out.println(4*3);</code> <code>System.out.println("4*3");</code>	12 4*3 >
l)	<code>System.out.println("3" + 3 + 3);</code> <code>System.out.println(3 + 3 + "3");</code>	333 63 >
m)	<code>System.out.println(5+2);</code> <code>System.out.println("5+2");</code> <code>System.out.println("5"+"2");</code> <code>System.out.println(""+5+2);</code> <code>System.out.println(5+2+"");</code>	7 5+2 52 52 7 >
n)	<code>System.out.println(78.3);</code>	78.3 >
o)	<code>System.out.println (5+"85"+24.2+"\n5*2");</code>	58524.2 5*2 >
p)	<code>System.out.println ("8+8=^"+8+8);</code> <code>System.out.println (8+8+"=8*8");</code>	8+8= 88 16=8*8 >