# **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** |
| --- |
| 5  ^^^3  5\*2=10  My name is^^^^^^^^George!!!!  3.0^^^10.563^^harry  >  >  >  I^think^I^got^it! |

1. 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) | System.out.println(“silly”); | silly  > |
| b) | System.out.println(“5\*6=”+ (5 \* 6)); | 5\*6=30  > |
| c) | System.out.println("The^answer^is:^^"); | The^answer^is:^^  > |
| d) | System.out.print("abc"); | abc |
| e) | System.out.print("\the^answer\nis:"); | ^^^^^he^answer  is: |
| f) | System.out.println(“yes\n\nmame”); | yes  >  mame  > |
| g) | System.out.println(“\\\\\\n2+3”); | \\\n2+3  > |
| h) | System.out.println("\n\\\thhhh\n\n"+"A”); | >  \^^^^^hhhh  >  A  > |
| i) | System.out.print(“big”);  System.out.println(“New\nYork\n”);  System.out.println(“apple”); | bigNew  York  >  apple  > |
| j) | System.out.println(34.789); | 34.789  > |
| k) | System.out.println(4\*3);  System.out.println("4\*3"); | 12  4\*3  > |
| l) | System.out.println(“3” + 3 + 3);  System.out.println(3 + 3 + “3”); | 333  63  > |
| m) | System.out.println(5+2);  System.out.println(“5+2”);  System.out.println(“5”+“2”);  System.out.println(“”+5+2);  System.out.println(5+2+“”); | 7  5+2  52  52  7  > |
| n) | System.out.println(78.3); | 78.3  > |
| o) | System.out.println (5+"85"+24.2+"\n5\*2"); | 58524.2  5\*2  > |
| p) | System.out.println (“8+8=^”+8+8);  System.out.println (8+8+"=8\*8"); | 8+8=^88  16=8\*8  > |