

<p>1. Write a line of code that prints "love" using <code>.substring</code> and the String <code>a</code>:</p> <pre>String a = "ungloved";</pre>	<p>2. What is output by the following:</p> <pre>String a = "teach"; for(int i = a.length()-1; i&gt;-1; i-=2)     System.out.print(a.substring(i,i+1));</pre>
<p>3. Write code to store a random integer from 11 to 18 inclusive in a variable named <b>temp</b>:</p>	<p>4. Write a for loop that prints the numbers 17, 15, 13, etc. down to 1.</p>
<p>5. Write code to print the last two characters of String <b>str</b>. Assume the String contains two or more characters.</p> <pre>Scanner scan = new Scanner(System.in); String str = scan.nextLine();</pre>	
<p>6. The Thing class has one instance variable "number". When you create a Thing, you have to send over a positive int which gets stored in <b>number</b>. The Thing class has one method: <code>public int getOne()</code> which returns a random integer from between <code>-number</code> and <code>number</code> inclusive. Write the complete Thing class.</p>	
<p>7. Write code that uses the Thing class from problem 6 and creates a Thing array with 1000 elements. Leave the element at index 0 as null, and instantiate all the remaining elements with their index number. Then write one line of code which uses the <code>.getOne()</code> method on one of the Thing objects.</p>	

8. Declare a boolean array of size 100 named <b>vals</b> .	9. After declaring the array in problem 8, what is the value of <b>vals[42]</b> ?
10. Declare a String array <b>words</b> of size 100.	11. What would be printed by the following code?  <pre>System.out.println(words[99]);</pre>
12. Given the following code, write an <b>enhanced for loop</b> that counts and then prints how many entries in <b>words</b> are longer than 10 and contain "lov". Assume the array contains at least one entry.  <pre>String[] words = //properly initialized;</pre>	
13. Given the following code, write an <b>enhanced for loop</b> that prints all values from the array <b>nums</b> that are less than 17. Assume the array contains one or more proper values.  <pre>double[] nums = //properly initialized;</pre>	
13. Given the following code, write code that counts and then prints how many times a 1 immediately follows a 0 in the int array <b>entries</b> . For example, if entries contained { 1, 0, 1, 0, 0, 1, 1 } your code would print 2.  <pre>int[] entries = //properly initialized;</pre>	