

<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>-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 temp:</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 str. 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 number. 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 vals .	9. After declaring the array in problem 8, what is the value of vals[42] ?
10. Declare a String array words 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 enhanced for loop that counts and then prints how many entries in words 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 enhanced for loop that prints all values from the array nums 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 entries . For example, if entries contained { 1, 0, 1, 0, 0, 1, 1 } your code would print 2. <pre>int[] entries = //properly initialized;</pre>	