

<p>1. What is printed when you run this code?</p> <pre>int[] nums = {3,4,7,6,9,2,11}; for(int i = nums.length-1; i>-1; i--) { if(nums[i]%2==0) System.out.print(nums[i]+1); }</pre>	<p>2. What are the contents of this array when this code has run?</p> <pre>int[] nums = {3,4,7,6}; for(int i = 0; i<nums.length; i++) { nums[i]=nums[i]+nums[i]%2; }</pre>
<p>Problems 3 through 5 all use the Frog class and all go together.</p>	
<p>3. Given the Frog class to the right, write code that creates a Frog array named pond to hold 500 Frog objects and then instantiates each element.</p>	<pre>class Frog { private int location; public Frog() {location=0; } public void hop(int n) {location+=n; } public int getLocation() {return location;} public String toString() {String temp = ""; for(int i = 0;i<location;i++){ temp+=".";} return temp+"@"; } }</pre>
<p>4. Write code to hop each Frog in the array pond a random value from 10 to 50 inclusive.</p>	
<p>5. Write code to report the average location of all of the Frog objects in the pond array. (You will use the <code>.getLocation()</code> method which returns an int value of a specific Frog object's location.) Print the average as a double.</p>	

6. Write code which changes all elements of String array arr to be upper case.

```
String[] arr = //initialized with valid data;
```

7. Write a method `dupPresent` that accepts a `String` array named **names** and returns `true` if one or more duplicates are present, `false` if no duplicates are present. The data is not sorted.

8. Write a regular for loop to print all the elements of an `int` array **nums** on a single line:

```
int[] nums = //initialized with valid data;
```

9. Write an enhanced for loop to add all the elements of an `int` array **nums** in the variable **total**.

```
int[] nums = //initialized with valid data;  
int total = 0;
```

10. Write code that prints all elements of the `String` array `words` which end in "ly". For example, if `words` contained {"cooly", "friendly", "lynx"} the code would print "cooly" and "friendly".

```
String[] words = //initialized with valid data;
```