**SearchTimer.java**

**Directions:**

1. In the SearchTimer class (within the main method), create an array of 9,000,000 integers initialized to the value of 10.
2. Set index 8,999,999 to 15.
3. Use the static linear search method from the Searcher Class to find the index of the value *15*.
4. Print the index at which the target was found and the amount of seconds it took to find the target. \*\*Hint: Use *System.currentTimeMillis()*
5. Use the static binary search method from the Searcher Class to find the index of the value *15*.
6. Print the index at which the target was found and the amount of seconds it took to find the target. \*\*Hint: Use *System.currentTimeMillis()*

Sample Printout:

Target found at index: 8999999

Linear Search Time(sec): 0.015

Target found at index: 8999999

Binary Search Time(sec): 0.0