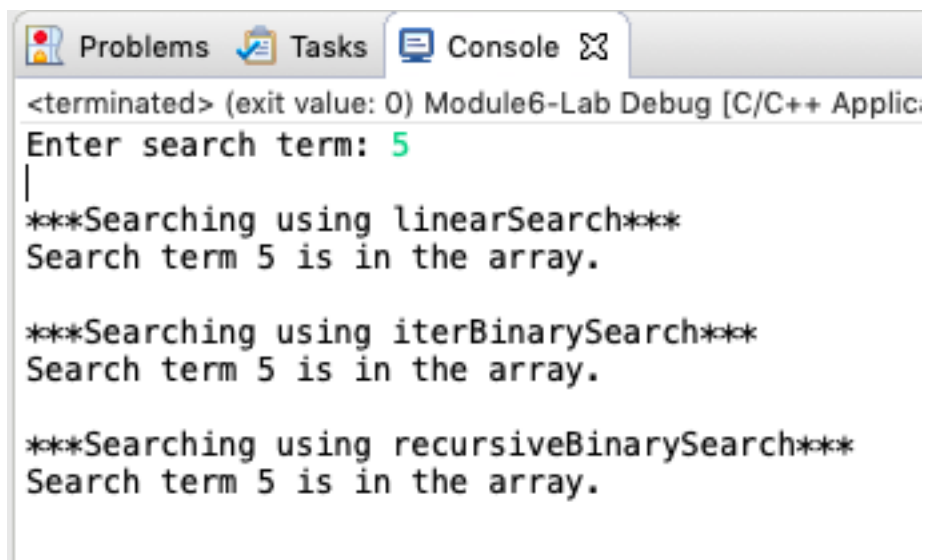Christopher Holmes
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Module 6 - Lab
2/17/19

In this lab, we were to tasked with writing three separate search functions, linearSearch, iterBinarySearch, and recursiveBinarySearch. linearSearch searches an array linearaly and returns true if the element is in the array. iterBinarySearch iteratively performs a binary search and returns true if the element is found in the array. recursiveBinarySearch performs the search recursively and returns true if the element is found in the array. This program accomplishes all of this.

With an array of values {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}, and a search term of 5, we can see that all the functions return true accordingly because it is in the array.

With the same array of values {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}, and a search term of 15, we can see that all the functions return false accordingly because it is not in the array.

```
Enter search term: 15

***Searching using linearSearch***
Search term 15 is not in array.

***Searching using iterBinarySearch***
Search term 15 is not in array.

***Searching using recursiveBinarySearch***
Search term 15 is not in array.
```