

Arrays Worksheet: binarySearch

After testing your code, carefully copy your code for `binarySearch` into the box below. Ensure you write your code with proper indenting. Do not include class information, nor the `main` method.

```
1. // Method binarySearch

1 public class BinarySearch {
2     public static int binarySearch(int[] a, int value) {
3         int start = 0;
4         int end = a.length - 1;
5         while(start <= end) {
6             int mid = (start + end) / 2;
7             if( a[mid] == value) {
8                 return mid;
9             }
10            if( value > a[mid]) {
11                start = mid + 1;
12            } else {
13                end = mid - 1;
14            }
15        }
16        return -1;
17    } // end of method binarySearch
18 } // end of class BinarySearch
```