BinarySearchBuiltIn.java

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```java
import java.util.Arrays;

public class BinarySearchBuiltIn {
    public static void main(String[] args) {
        int[] sortedArray = {2, 5, 8, 12, 16, 23, 38, 45, 50};
        int target = 16;

        int result = Arrays.binarySearch(sortedArray, target);
        if (result >= 0) {
            System.out.println("Element found at index " + result);
        } else {
            System.out.println("Element not found");
        }
    }
}
```

```
Element found at index 4

=== Code Execution Successful ===
```