

**Worksheet: Binary Search**

1. Draw a **flowchart subprocess** that represents the **binary search** algorithm that will find a specific value in a **sorted** array, then write the **pseudocode** for the flowchart as a **function** named `binarySearch`.
  - **Inputs:** the array (call it `a`), and the value to search for (call it `value`).
  - **Output:** the **index** in the array where the value is found; or a value of `-1` if the value is not found in the array.

Use proper indentation!