1a. Draw a *flowchart* that represents a *linear search* algorithm that will find a <u>specific value</u> in an array, then write the *pseudocode* for the flowchart as a *function* named linearSearch.
   - **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.

   Important: in pseudocode (as well as programming languages), if the flow of the program encounters a RETURN statement, the function will exit from that point and not continue to run any code after that line.