Question:  
Write a C program that implements a function for linear search to find the first occurrence of a target value in an array of integers. The program should include the following:

* Define a function linear\_search\_first that takes three arguments: the array of integers, its size, and the target value. This function should find the first occurrence of the target value in the array and return its index or -1 if the target value is not found.
* In the main function:
  + Prompt the user to enter the size of the array (must be positive).
  + Prompt the user to enter each element of the array.
  + Prompt the user to enter the target value to search for in the array.
  + Call the linear\_search\_first function to find the first occurrence of the target value.
  + Print the index of the first occurrence found or indicate if the target value is not present in the array.
* Ensure your program handles edge cases, such as an empty array or when the target value is not found.

**Example Output:**

**Enter the size of the array**: 5

**Enter 5 elements of the array**:

7 8 5 3 8

**Enter the target value to search for**: 8

**Target 8 found at index 1**