Write a program in C to find the largest element in an array of integers.

Function: **int findMaximum(int arr[], int size)**

Description: This function takes an array of integers and its size as parameters and returns the maximum value in the array.

**Input:**

**arr**: An array of integers.

**size**: Size of the array.

**Output:**

The maximum value in the array.

#include <stdio.h>

int findMaximum(int arr[ ], int size)

{

    int max = arr[0];  // Assume the first element is the maximum

    for (int i = 1; i < size; i++)

   {

        if (arr[i] > max) {

            max = arr[i];

        }

    }

    return max;

}

int main() {

    int arr[100], n, i, max;

    printf("Enter the size of the array: ");

    scanf("%d", &n);

    printf("Enter the elements of the array:\n");

    for(i=0; i<n; i++) {

        scanf("%d", &arr[i]);

    }

    max = findMaximum(arr, n);

    printf("The largest element in the array is: %d", max);

    return 0;

}