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//
// Main.cpp
// Lab 5
//
// Created by Michael Hannigan on 9/28/20.
//

#include <stdio.h>
#include <iostream>
using namespace std;

int main(int argc, const char * argv[]) {
    int size;
    cout<<"Enter how many numbers your array wil be:"<<endl;
    cin>>size;

    int * ptr;

    ptr = new int[size];

    //sets the array
    for(int i = 0; i<size;i++){
        cout<<"Enter number:"<<endl;
        cin>>ptr[i];
    }

    //gets the largest int
    int largest = ptr[0];
    cout<<"The array displayed is: ";
    for(int i = 0; i<size; i++){
        cout<<ptr[i];
        if(ptr[i]>largest)
            largest = ptr[i];
    }

    cout<<endl;
    cout<<"The largest number is:"<<largest<<endl;

}

```

////////////////////////////////OutPut////////////////////////////////

Enter how many numbers your array wil be:

5

Enter number:

9

Enter number:

8

Enter number:

7

Enter number:

6

Enter number:

5

The array displayed is: 98765

The largest number is:9

Program ended with exit code: 0