main.c

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```c
#include <stdio.h>
int main() {
    int n, i;
    int arr[100];
    printf("Enter number of elements: ");
    scanf("%d", &n);
    printf("Enter elements:\n");
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    int max = arr[0];
    int min = arr[0];
    for(i = 1; i < n; i++) {
        if (arr[i] > max)
            max = arr[i];
        if (arr[i] < min)
            min = arr[i];
    }
    printf("Largest element = %d\n", max);
    printf("Smallest element = %d\n", min);
    return 0;
}
```

Output

Clear

```
Enter number of elements: 5
Enter elements:
6
7
9
2
8
Largest element = 9
Smallest element = 2


=== Code Execution Successful ===
```

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4) Write a program to find the largest and smallest element in an assignment

```
#Include <stdio.h>
int main(){
  int n, i;
  int arr[100];
  printf("Enter number of elements:");
  scanf("%d", &n);
  printf("Enter elements:\n");
  for(i=0; i<n; i++){
    scanf("%d", &arr[i]);
  }
  int max = arr[0];
  int min = arr[0];
  for(i=1; i<n; i++){
    if(arr[i] > max)
      max = arr[i];
    if(arr[i] < min)
      min = arr[i];
  }
  printf("Largest element = %d\n", max);
  printf("Smallest element = %d\n", min);
  return 0;
}
```

Output:

Enter number of elements: 5
Enter elements:
6
7
9
2
8

Largest element = 9
Smallest element = 2