

Compile Result

Enter size of the array : 5

Input the array elements :

1

2

3

4

5

Smallest element in array is 1

Largest element in array is 5

[Process completed - press Enter]

Step 1: Start

Step 2: Declare `int maximum (int array[], int index, int len)`

Step 3: Logic to find Max (Declare `int max`)

3.1 If (`index >= len - 2`)

`return (array[index] > array[index + 1]) ? array[index] ;
array[index + 1];`

3.2 `max = maximum(array, index + 1, len);`

`return (array[index] > max) ? array[index] ; max;`

Step 4: Logic to find Min (Declare `int min`)

4.1 If (`index >= len - 2`)

`return (array[index] < array[index + 1]) ? array[index] ;
array[index + 1];`

4.2 `min = minimum(array, index + 1, len);`

`return (array[index] < min) ? array[index] ; min;`

Step 5: Accessing Values & processing Output (Explicit Declaration)

5.1 Declare `int array[MAX], N, max, min, int i;`

5.2. Read the Elements

5.3. Display the Output

`for (i = 0; i < N; i++)`

`{ scanf ("%d", array[i]);`

`}`

5.4 `max = maximum (array, 0, N);`

`min = minimum (array, 0, N);`

Step 6: Print result

Step 7: Stop.

Flowchart

