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.