**4. Find minimum and maximum element in an array using function**

#include <iostream>

#include <climits>

int find\_min(const int arr[], int size) {

int min\_element = INT\_MAX;

for (int i = 0; i < size; ++i) {

if (arr[i] < min\_element) {

min\_element = arr[i];

}

}

return min\_element;

}

int find\_max(const int arr[], int size) {

int max\_element = INT\_MIN;

for (int i = 0; i < size; ++i) {

if (arr[i] > max\_element) {

max\_element = arr[i];

}

}

return max\_element;

}

int main() {

int arr[] = {10, 20, 5, 7, 8, 25, 3};

int size = sizeof(arr) / sizeof(arr[0]);

int min\_element = find\_min(arr, size);

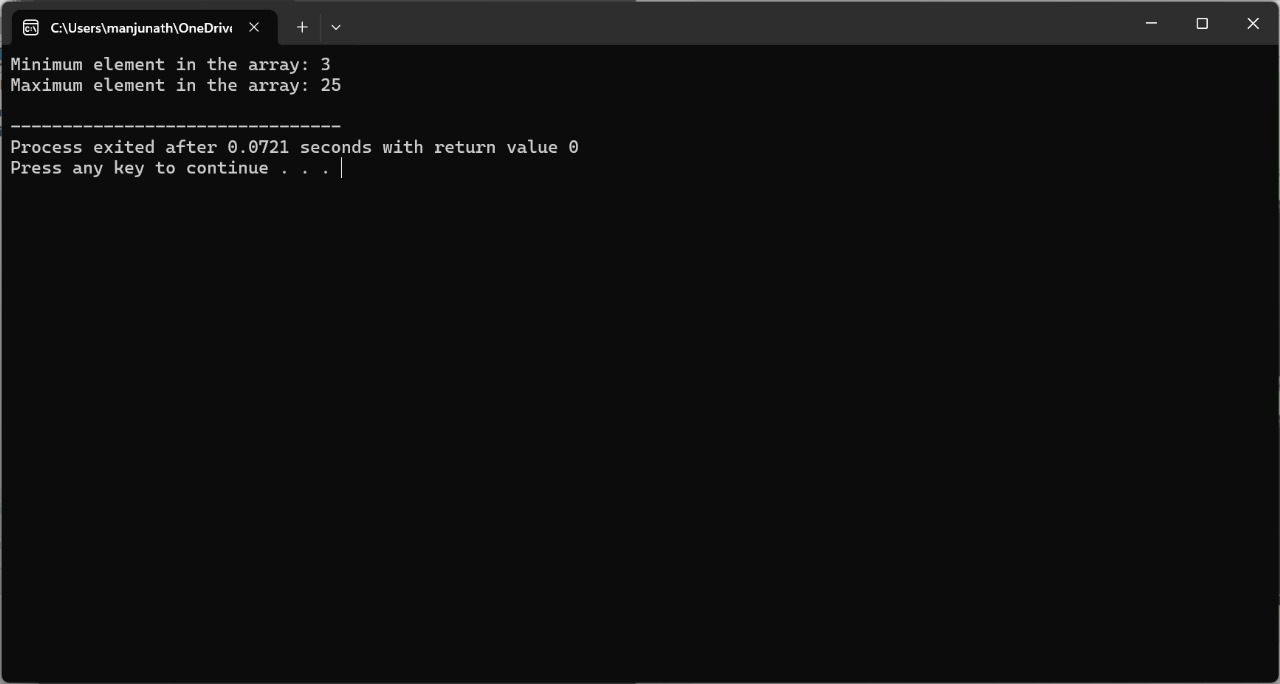
int max\_element = find\_max(arr, size);

std::cout << "Minimum element in the array: " << min\_element << std::endl;

std::cout << "Maximum element in the array: " << max\_element << std::endl;

return 0;

}

**Output:**