// C++ program to demonstrate the use of priority\_queue

#include <iostream>

#include <queue>

using namespace std;

// driver code

int main()

{

    int arr[6] = { 10, 2, 4, 8, 6, 9 };

    // defining priority queue

    priority\_queue<int> pq;

    // printing array

    cout << "Array: ";

    for (auto i : arr) {

        cout << i << ' ';

    }

    cout << endl;

    // pushing array sequentially one by one

    for (int i = 0; i < 6; i++) {

        pq.push(arr[i]);

    }

    // printing priority queue

    cout << "Priority Queue: ";

    while (!pq.empty()) {

        cout << pq.top() << ' ';

        pq.pop();

    }

    return 0;

}