

C++ Programming

Priority Queue

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Priority Queue: Make them sorted

16_3.cpp

```
1 #include<iostream>
2 #include<queue>
3 using namespace std;
4
5 void print(priority_queue<int> &pq) {
6     cout << "Priority Queue elements: ";
7     while (!pq.empty()) {
8         cout << pq.top() << " ";
9         pq.pop();
10    }
11    cout << "\n";
12 }
13 int main() {
14     // order from big to small
15     priority_queue<int> pq;
16     pq.push(3); // 3
17     pq.push(5); // 5 3
18     pq.push(1); // 5 3 1
19     pq.push(7); // 7 5 3 1
20     pq.push(0); // 7 5 3 1 0
21
22     print(pq);
23     // use -ve number to sort small to large
24     return 0;
25 }
26
```

“Acquire knowledge and impart it to the people.”

“Seek knowledge from the Cradle to the Grave.”