

```
1 #include <stack>
2 #include <queue>
3 #include <iostream>
4
5 using namespace std;
6
7 class comp{
8     public:
9
10    bool operator() (string a, string b)
11    {
12        if(a.size() == b.size()){
13            return a>b;
14        }
15        else
16        {
17            return a.size() < b.size();
18        }
19    }
20 }
21 };
22
23 int main(){
24     priority_queue<string, vector<string>, comp> pq;
25
26     string A="Hola mundo.";
27     string B="Hello world";
28     string C="Adios pedro";
29     string D="Salut monde.";
30
31
32     pq.push(A);
33     pq.push(B);
34     pq.push(C);
35     pq.push(D);
36
37     while(!pq.empty()){
38         cout << pq.top() << "-----con longitud: " << pq.top().size() << endl;
39         pq.pop();
40     }
41 }
```