

Answer on Question #37623 – Programming - C++

```
#include <iostream>
#include <string>
#include <queue>
#include <sstream>

using namespace std;
int parseNumber(string pStr)
{
    stringstream lStream(pStr);
    string temp;
    int rNumber;
    lStream >> temp >> rNumber;
    return rNumber;
}
void printQueue(priority_queue<int> pQueue)
{
    for(int i = pQueue.size(); i > 0; --i)
    {
        cout << pQueue.top() << " ";
        pQueue.pop();
    }
    cout << endl;
}
int main()
{
    priority_queue<int> lQueue;
    string lCommand;
    getline(cin, lCommand);
    while(lCommand != "quit")
    {
        if(lCommand[0] == 'a')
            lQueue.push(parseNumber(lCommand));
        else if(lCommand == "list")
        {
            printQueue(lQueue);
        }
        else if(lCommand == "deletemax")
        {
            lQueue.pop();
        }
        else
        {
            cout << "Wrong command" << endl;
        }
        getline(cin, lCommand);
    }
    return 0;
}
```