// CPP code to illustrate Queue in

// Standard Template Library (STL)

#include <iostream>

#include <queue>

using namespace std;

// Print the queue

void showq(queue<int> gq)

{

    queue<int> g = gq;

    while (!g.empty()) {

        cout << '\t' << g.front();

        g.pop();

    }

    cout << '\n';

}

// Driver Code

int main()

{

    queue<int> gquiz;

    gquiz.push(10);

    gquiz.push(20);

    gquiz.push(30);

    cout << "The queue gquiz is : ";

    showq(gquiz);

    cout << "\ngquiz.size() : " << gquiz.size();

    cout << "\ngquiz.front() : " << gquiz.front();

    cout << "\ngquiz.back() : " << gquiz.back();

    cout << "\ngquiz.pop() : ";

    gquiz.pop();

    showq(gquiz);

    return 0;

}