

```

//
// Program Using the set Template Class
// main.cpp
// AbsoluteCpp_ch19_12
//

//Program to demonstrate use of the set template class.
#include <iostream>
#include <set>
using std::cout;
using std::endl;
using std::set;

int main() {

    set<char> s;
    s.insert('A');
    s.insert('D');
    s.insert('D');
    s.insert('C');
    s.insert('C');
    s.insert('B');

    cout << "The set contains:\n";
    set<char>::const_iterator p;
    for (p = s.begin( ); p != s.end( ); p++)
        cout << *p << " ";
    cout << endl;

    cout << "Set contains 'C': ";
    if (s.find('C')==s.end( ))
        cout << " no " << endl;
    else
        cout << " yes " << endl;

    cout << "Removing C.\n";
    s.erase('C');
    for (p = s.begin( ); p != s.end( ); p++)
        cout << *p << " ";
    cout << endl;

    cout << "Set contains 'C': ";
    if (s.find('C')==s.end( ))
        cout << " no " << endl;
    else
        cout << " yes " << endl;

    return 0;
}

```