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#include <iostream>
#include <algorithm>
#include <iterator>
#include <functional>
#include <cctype>

using namespace std;

int main() {

    function<bool(unsigned char)> pred = [](unsigned char c) -> bool {
        return isupper(c);
    };

    string s = "This Is Some String Of Text In Mixed Case";

    if (!is_partitioned(begin(s), end(s), pred)) {
        partition(begin(s), end(s), pred);
    }

    cout << "String now: ";
    cout << s << "\n";

    auto part = partition_point(begin(s), end(s), pred);

    cout << "True bucket: ";
    copy(begin(s), part, ostream_iterator<char>(cout, ""));
    cout << "\n";

    cout << "False bucket: ";
    copy(part, end(s), ostream_iterator<char>(cout, ""));
    cout << "\n";

    return 0;
}
```