

```
#include <iostream>
#include <algorithm>
#include <iterator>
#include <string>
#include <vector>
#include <numeric>

using namespace std;

int main() {
    string s = "This is some text, with some characters. Not every character is a letter
, some, like this one '3' are numbers.";

    vector<int> num(100);
    iota(begin(num), end(num), 1);

    auto it = find(begin(s), end(s), ',');

    cout << "Found ',' at position: " << distance(begin(s), it) << "\n";

    auto number = find_if(begin(num), end(num), [](int i) {
        return (i % 3 == 0 && i % 5 == 0);
    });

    cout << "Found first number divisable by 3 and 5 at positon: " <<
        distance(begin(num), number) << " (" << *number << ")\n";

    number = begin(num);
    while(number != end(num)){
        number = find_if(number, end(num), [](int i) {
            return (i % 3 == 0 && i % 5 == 0);
        });

        if (number != end(num)) {
            cout << *number << " ";
            advance(number, 1);
        }
    }

    cout << "\n";

    return 0;
}
```