```
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
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 */
#include <string>
#include <regex>
#include <iostream>
#include <algorithm>
using namespace std;
int main()
    " <last>Josuttis</last>\n"
                      "</person>\n";
    regex reg("\langle (.*) \rangle (.*) \langle /(\backslash 1) \rangle");
    // iterate over all matches (using a regex iterator):
     sregex iterator pos(data.cbegin(), data.cend(), reg);
     sregex_iterator end;
    for (; pos!=end; ++pos) {
    cout << "match: " << pos->str() << endl;
    cout << " tag: " << pos->str(1) << endl;
    cout << " value: " << pos->str(2) << endl;</pre>
    }
    // use a regex iterator to process each matched substring as element in an
algorithm:
    sregex iterator beg(data.cbegin(), data.cend(), reg);
                               cout << "match: " << m. str() << endl;
cout << " tag: " << m. str(1) << endl;
cout << " value: " << m. str(2) << endl;</pre>
                          });
}
```