```
/* 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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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include <iostream>
#include <set>
using namespace std;
int main ()
     set <int> c;
     c. insert (1);
     c. insert (2);
     c. insert (4);
     c. insert (5);
     c. insert (6);
     cout << endl;
cout << "lower_bound(5): " << *c.lower_bound(5) << endl;
cout << "upper_bound(5): " << *c.upper_bound(5) << endl;
cout << "equal_range(5): " << *c.equal_range(5).first << " "</pre>
                                          << *c.equal range(5).second << endl;</pre>
}
```