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2. For set:

Inserting 'one' successfull

Inserting 'one' fails

Inserting 'two' successfull

Inserting 'two' fails

Note: auto variable is a pair with iterator in the first position and bool value to indicate if method is successful, so we can use bool to determine if method succeeds

1. For multiset:

Inserting 'one' is successful

Inserting 'one' is successful

Inserting 'two' is successful

Inserting 'one' is successful

Note: multiset allows duplicates but set does not

1. Output: two two

Code:

auto range = ms.equal\_range("two");

ostream\_iterator<string> printer(cout, " ");

copy(range.first, range.second, printer);

cout << endl;

1. Output:

two two

two

1. Output:

Key: two Value: 3

Key: two Value: 4

Removed value: 3

Removed value: 4

Note: when removing duplicate key “two”, key with value 3 is removed first before the key with value 4