

If the operation sets an internal state flag that was registered with member exceptions, the function throws an exception of member type failure.

# Example

```
1 // position in output stream
   #include <fstream>
                              // std::ofstream
   int main () {
     std::ofstream outfile:
     outfile.open ("test.txt");
     outfile.write ("This is an apple",16);
     long pos = outfile.tellp();
10
    outfile.seekp (pos-7);
outfile.write (" sam",4);
11
12
13
     outfile.close();
16
     return 0;
17 }
```

In this example, tellp is used to get the position in the stream after the writing operation. The pointer is then moved back 7 characters to modify the file at that position, so the final content of the file is:

This is a sample

### Data races

Modifies the stream object.

Concurrent access to the same stream object may cause data races.

## Exception safety

**Basic guarantee:** if an exception is thrown, the object is in a valid state.

It throws an exception of member type failure if the resulting error state flag is not goodbit and member exceptions was set to throw for that state.

Any exception thrown by an internal operation is caught and handled by the function, setting badbit. If badbit was set on the last call to exceptions, the function rethrows the caught exception.

# 🚔 See also

ostream::tellp	Get position in output sequence (public member function )
istream::seekg	Set position in input sequence (public member function )

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