manipulators: · endl

ostream::ostream ostream::~ostream member classes:

ostream::sentry

ostream::seekp ostream::tellp

ostream::write

member functions: ostream::flush

> · ostream::operator<< ostream::put

non-member overloads:

operator << (ostream) protected members:

ostream::operator=

PatchIT Updating Librar

PatchIT offers fully automated updating libraries for coding

ostream::swap

ostream

ends flush



streampos is an fpos type (it can be converted to/from integral types).

Errors are signaled by modifying the internal state flags:

flag	error
eofbit	-
failbit	May be set if the construction of sentry failed.
	Error on stream (such as when this function catches an exception thrown by an internal operation). When set, the integrity of the stream may have been affected.

Multiple flags may be set by a single operation.

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

🦞 Example

0++1

```
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);
10
     long pos = outfile.tellp();
     outfile.seekp (pos-7);
     outfile.write (" sam",4);
14
     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

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