## Synchronized Output Streams

Synchronized output streams allow threads to write on the same output stream without interleaving.

Predefined synchronized output streams

```
std::osyncstream for std::basic_osyncstream<char>
std::wosyncstream for std::basic_osyncstream<wchar_t>
```

- Synchronized output streams
  - Output is written to the internal buffer of type std::basic\_syncbuf
  - When the output stream goes out of scope, it outputs its internal buffer

## Synchronized Output Streams

Permanent variable synced\_out

```
std::osyncstream synced_out(std::cout);
synced_out << "Hello, ";
synced_out << "World!";
synced_out << std::endl; // no effect
synced_out << "and more!\n";
} // destroys the synced_output and emits the internal buffer</pre>
```

Temporary Variable