

Search:


Reference <ios> fpos

Not logged in

C++
Information
Tutorials
Reference
Articles
Forum

Reference
C library:
Containers:
Input/Output:
 <fstream>
 <iomanip>
 <ios>
 <iosfwd>
 <iostream>
 <istream>
 <ostream>
 <sstream>
 <streambuf>
Multi-threading:
Other:

<ios>
types:
 basic_ios
 fpos
 ios
 ios_base
 io_errc
 streamoff
 streampos
 streamsize
 wios
 wstreampos
manipulators:
 boolalpha
 dec
 defaultfloat
 fixed
 hex
 hexfloat
 internal
 left
 noboolalpha
 noshowbase
 noshowpoint
 noshowpos
 noskipws
 nounitbuf
 nouppercase
 oct
 right
 scientific
 showbase
 showpoint
 showpos
 skipws
 unitbuf
 uppercase
other functions:
 iostream_category

Download Plsql
Download the 30 day trail
version for PL/SQL IDE!


class template

std::fpos <ios> <iostream>

```
template <class stateT> class fpos;
```

Stream position class template
Class template used as a template for types to indicate positions in streams. The template depends on the state type stateT.

The details of this class are implementation-defined, but has at least two members:


```
1 stateT state() const;  
2 void state(stateT);
```

Each either getting or setting the value of the state type (stateT) kept internally by the object.

Objects of any fpos instanced type support construction and conversion from int, and allow consistent conversions to/from values of type streamoff (as well as being added or subtracted values of this type).

Two objects of this type can be compared with operators == and !=. They can also be subtracted, which yields a value of type streamoff.

The synonym types streampos and wstreampos are instantiations of this template with mbstate_t as stateT.

 **See also**

| | |
|-------------------|-----------------------------------|
| streampos | Stream position type (type) |
| wstreampos | Wide stream position type (type) |

[Home page](#) | [Privacy policy](#)
© cplusplus.com, 2000-2015 - All rights reserved - v3.1
[Spotted an error? contact us](#)