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public member function

std::ios_base::imbue

<ios> <iostream>

```
locale imbue (const locale& loc);
```

Imbue locale
Associates *loc* to the stream as the new locale object to be used with locale-sensitive operations.

Before that, the function calls all functions registered through member `register_callback` with `imbue_event` as first argument.

Standard stream classes do not inherit this member, but inherit `basic_ios::imbue` instead, which calls this function, but also imbues the *locale* to the associated *stream buffer*, if any.

Parameters

loc

locale imbued as the new locale for the stream.

Return value
The *locale* object associated with the stream before the call.

Example

```
1 // imbue example
2 #include <iostream>      // std::cout
3 #include <locale>        // std::locale
4
5 int main()
6 {
7     std::locale mylocale(""); // get global locale
8     std::cout.imbue(mylocale); // imbue global locale
9     std::cout << 3.14159 << '\n';
10    return 0;
11 }
```

This code writes a floating point number using the global locale given by the environment. For example, in a system configured with a Spanish locale as default, this could write the number using a comma decimal separator:

```
3,14159
```

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 stream is in a valid state.

See also

ios_base::getloc

Get current locale (public member function)

ios_base::width

ios_base::xalloc

member types:

ios_base::event

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