public member function

std::ios_base::ios_base

<ios> <iostream>

C++98 C++11

```
protected: ios_base();
  private: ios_base (const ios_base&);
```

Construct object

`ios_base` objects have indeterminate values on construction. Each `ios_base` base object shall be initialized by calling `basic_ios::init`.

The class is meant to be a base class, and thus has no public constructors, preventing objects of this class to be constructed -- only objects of derived classes can be constructed.

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`ios_base` also declares a copy assignment member function. Like the copy constructor, this function is also `private`:

```
1 private:
2   ios_base (const ios_base&);
3   ios_base& operator= (const ios_base&);
```

Exception safety

Strong guarantee: if an exception is thrown, there are no side effects.

ios_base::unsetf
ios_base::width
member types:
ios_base::event
ios_base::event_callback
ios_base::failure
ios_base::fmtflags
ios_base::Init
ios_base::iostate
ios_base::openmode
ios_base::seekdir

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