CABAHUG BSCPE – 1B

What is iostream?

* C++ header. The header file declares a set of functions for standard Input/Output. It also defines I/O stream objects such as cin , cout , clog etc

What is inside of Iostream?

// Standard iostream objects -\*- C++ -\*-

//

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//

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/\*\* @file include/iostream\* This is a Standard C++ Library header.\*///

// ISO C++ 14882: 27.3 Standard iostream objects//

#ifndef \_GLIBCXX\_IOSTREAM

#define \_GLIBCXX\_IOSTREAM 1

#pragma GCC system\_header

#include <bits/c++config.h>

#include <ostream>

#include <istream>

namespace std \_GLIBCXX\_VISIBILITY(default)

{

\_GLIBCXX\_BEGIN\_NAMESPACE\_VERSION

/\*\* \* @name Standard Stream Objects \* \* The &lt;iostream&gt;

header declares the eight <em>standard stream

\* objects</em>.

For other declarations, see

\* http://gcc.gnu.org/onlinedocs/libstdc++/manual/io.html

\*

and the @link iosfwd I/O forward declarations @endlink

\*

\*

They are required by default to cooperate with the global C

\*

library's @c FILE streams, and to be available during program

\*

startup and termination. For more information, see the section of the

\*

manual linked to above.

\*/

//@{

extern istream cin;

/// Linked to standard input

extern ostream cout;

/// Linked to standard output

extern ostream cerr;

/// Linked to standard error (unbuffered)

extern ostream clog;

/// Linked to standard error (buffered)

#ifdef \_GLIBCXX\_USE\_WCHAR\_T

extern wistream wcin;

/// Linked to standard input

extern wostream wcout;

/// Linked to standard output

extern wostream wcerr;

/// Linked to standard error (unbuffered)

extern wostream wclog;

/// Linked to standard error (buffered)

#endif

//@}

// For construction of filebuffers for cout, cin, cerr, clog et. al.

static ios\_base::Init \_\_ioinit;

\_GLIBCXX\_END\_NAMESPACE\_VERSION

}

// namespace

#endif /\* \_GLIBCXX\_IOSTREAM \*/

**Objects**

**Narrow characters (char)**

[**cin**](http://www.cplusplus.com/reference/iostream/cin/) Standard input stream (object )

[**cout**](http://www.cplusplus.com/reference/iostream/cout/) Standard output stream (object )

[**cerr**](http://www.cplusplus.com/reference/iostream/cerr/) Standard output stream for errors (object )

[**clog**](http://www.cplusplus.com/reference/iostream/clog/) Standard output stream for logging (object )

**Wide characters (wchar\_t)**

[**wcin**](http://www.cplusplus.com/reference/iostream/wcin/) Standard input stream (wide) (object )

[**wcout**](http://www.cplusplus.com/reference/iostream/wcout/) Standard output stream (wide) (object )

[**wcerr**](http://www.cplusplus.com/reference/iostream/wcerr/) Standard output stream for errors (wide-oriented) (object )

[**wclog**](http://www.cplusplus.com/reference/iostream/wclog/) Standard output stream for logging (wide) (object )