

C LIBRARY - <SETJMP.H>

http://www.tutorialspoint.com/c_standard_library/setjmp_h.htm

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The **setjmp.h** header defines the macro **setjmp**, one function **longjmp**, and one variable type **jmp_buf**, for bypassing the normal function call and return discipline.

Library Variables

Following is the variable type defined in the header setjmp.h –

S.N.	Variable & Description
1	jmp_buf This is an array type used for holding information for macro setjmp and function longjmp .

Library Macros

There is only one macro defined in this library –

S.N.	Macro & Description
1	<u>int setjmpjmp_bufenvironment</u> This macro saves the current <i>environment</i> into the variable environment for later use by the function longjmp . If this macro returns directly from the macro invocation, it returns zero but if it returns from a longjmp function call, then a non-zero value is returned.

Library Functions

Following is the only one function defined in the header setjmp.h –

S.N.	Function & Description
1	<u>void longjmpjmp_bufenvironment, intvalue</u> This function restores the environment saved by the most recent call to setjmp macro in the same invocation of the program with the corresponding jmp_buf argument.