

C Library - <setjmp.h>

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 –

Sr.No.	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 –

Sr.No.	Macro & Description
1	<code>int setjmp(jmp_buf environment)</code>  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 –

Sr.No.	Function & Description
1	<code>void longjmp(jmp_buf environment, int value)</code>  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.