

## Op:setjmp.h

setjmp.h - stack environment declarations

```
#include <setjmp.h>
```

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### DESCRIPTION

Some of the functionality described on this reference page extends the ISO C standard. Applications shall define the appropriate feature test macro (see the System Interfaces volume of IEEE Std 1003.1-2001, Section 2.2, The Compilation Environment) to enable the visibility of these symbols in this header.

The `<setjmp.h>` header shall define the array types `jmp_buf` and `sigjmp_buf`.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
void    longjmp(jmp_buf, int);  
  
void    siglongjmp(sigjmp_buf, int);  
  
void    _longjmp(jmp_buf, int);
```

The following may be declared as a function, or defined as a macro, or both. Function prototypes shall be provided.

```
int    setjmp(jmp_buf);

int    sigsetjmp(sigjmp_buf, int);

int    _setjmp(jmp_buf);
```

*The following sections are informative.*

#### **APPLICATION USAGE**

None.

#### **RATIONALE**

None.

#### **FUTURE DIRECTIONS**

None.

#### **RELATED**

The System Interfaces volume of IEEE Std 1003.1-2001, *longjmp()*, *\_longjmp()*, *setjmp()*, *siglongjmp()*, *sigsetjmp()*

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