## NAME

**offsetof** - offset of a structure member

## SYNOPSIS

**#include <stddef.h>**

*size_t*
**offsetof**(*type*, *member*);

## DESCRIPTION

The **offsetof**() macro expands to an integer constant expression of type *size_t* and yields the offset, in bytes, of the field *member* from the start of the structure *type*.

A compiler error will result if *member* is not aligned to a byte boundary (i.e. it is a bit-field).

## STANDARDS

The **offsetof**() macro conforms to ANSI X3.159-1989 ("ANSI C89").