**Example**

The following example shows how to use the #ifndef directive in the C language:

/\* Example using #ifndef directive by TechOnTheNet.com \*/

#include <stdio.h>

#define YEARS\_OLD 12

#ifndef YEARS\_OLD

#define YEARS\_OLD 10

#endif

int main()

{

printf("TechOnTheNet is over %d years old.\n", YEARS\_OLD);

return 0;

}

In this example, if the macro YEARS\_OLD is not defined before the #ifndef directive is encountered, it will be defined with a value of 10.

Here is the output of the executable program:

TechOnTheNet is over 12 years old.

If you remove the line #define YEARS\_OLD 12, you will see the following output from the executable program:

TechOnTheNet is over 10 years old.

|  |
| --- |
| //define stack structure constants |
|  | #define SPI 1 //stack pointer index |
|  | #define SSI 0 //stack size index (points to size) |
|  | #define STACK\_OFFSET 2 |
|  | #define STACKSIZE 80 //defines the size of the stack |