

C library function - ctime()

Description

The C library function **char *ctime(const time_t *timer)** returns a string representing the localtime based on the argument **timer**.

The returned string has the following format: **Www Mmm dd hh:mm:ss yyyy**, where *Www* is the weekday, *Mmm* the month in letters, *dd* the day of the month, *hh:mm:ss* the time, and *yyyy* the year.

Declaration

Following is the declaration for ctime() function.

```
char *ctime(const time_t *timer)
```

Parameters

- **timer** – This is the pointer to a time_t object that contains a calendar time.

Return Value

This function returns a C string containing the date and time information in a human-readable format.

Example

The following example shows the usage of ctime() function.

```
#include <stdio.h>
#include <time.h>

int main () {
    time_t curtime;

    time(&curtime);

    printf("Current time = %s", ctime(&curtime));

    return(0);
}
```

[Live Demo](#)

Let us compile and run the above program that will produce the following result –

```
Current time = Mon Aug 13 08:23:14 2012
```