

## Time Date utilities for students

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# Chapter 1

## File Index

### 1.1 File List

Here is a list of all documented files with brief descriptions:

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## Chapter 2

# File Documentation

### 2.1 time-date.h File Reference

Some Time and Date utilities for students.

#### Functions

- int `current_month` (void)
- int `current_day` (void)
- int `current_year` (void)
- int `current_sec` (void)
- int `current_hour` (void)
- int `current_min` (void)
- void `print_current_date` ()
- char \* `current_month_name` ()
- char \* `month_name` (unsigned char month)
- void `print_month_name` (unsigned char month)

#### 2.1.1 Detailed Description

Some Time and Date utilities for students.

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#### Date

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## 2.1.2 Function Documentation

### 2.1.2.1 `int current_day ( void )`

Returns the current day (in the current month) as an integer value.

Example Usage:

```
1 int day = current_day();
```

### 2.1.2.2 `int current_hour ( void )`

Returns the current hour (in this day) as an integer value.

Example Usage:

```
1 int hour = current_hour();
```

### 2.1.2.3 `int current_min ( void )`

Returns the current minute (in this hour) as an integer value.

Example Usage:

```
1 int minute = current_min();
```

### 2.1.2.4 `int current_month ( void )`

Returns the current month as an integer value. January - 1 ... December 12

Example Usage:

```
1 int month = current_month();
```

### 2.1.2.5 `char* current_month_name ( )`

Returns the current month as a string. The function allocates no memory.

Example Usage:

```
1 char* mont_name = current_month_name();
```



### 2.1.2.6 int current\_sec ( void )

Returns the current second (in this minute, hour etc) as an integer value.

Example Usage:

```
1 int sec = current_sec();
```

### 2.1.2.7 int current\_year ( void )

Returns the current year as an integer value.

Example Usage:

```
1 int day = current_year();
```

### 2.1.2.8 char\* month\_name ( unsigned char *month* )

Returns the month name of a month number supplied by the caller.

Parameters

in	<i>month</i>	the month (number) to get the name for
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Example Usage:

```
1 char* mont_name = month_name(12);
```

### 2.1.2.9 void print\_current\_date ( )

Prints (to stdout) the current date

Example Usage:

```
1 print_current_month();
```

### 2.1.2.10 void print\_month\_name ( unsigned char *month* )

Prints (to stdout) the name of the current month

Example Usage:

```
1 print_month_month();
```



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