How to read time in C?

[intro]

get\_time function in the library <ctime>

[namespace]

std

[P.S.]

The time is defined as a struct and in the namespace std::tm.

Write the following statement to declare a time in C.

struct std::tm when;

[library]

<ctime>

[code]

#include <iostream>

#include <iomanip>

#include <ctime>

using namespace std;

int main ()

{

struct std::tm when;

cout << "Please, enter the time: ";

cin >> std::get\_time(&when,"%R"); // extract time (24H format)

if (cin.fail())

{

cout << "Error reading time"<<endl;

}

else {

cout << "The time entered is: ";

cout << when.tm\_hour << " hours and " << when.tm\_min << " minutes"<<endl;

}

return 0;

}

[input]

12:05

[result]

Please, enter the time:

The time entered is: 12 hours and 5 minutes

[ref]

<https://cplusplus.com/reference/iomanip/get_time/>