How to create a fractional number in C?

[intro]

ratio class.

There are one class – ratio to store a fractional number.

The first number of in template refers the numerator.

The second refers the denominators.

[namespace]

std

[library]

<Ratio>

[Example]

Take the following code for example.

In the following declaration.

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[code]

#include <iostream>

#include <ratio>

using namespace std;

int main ()

{

typedef std::ratio<1,2> one\_half;

typedef std::ratio<2,4> two\_fourths;

cout << std::boolalpha;

cout << "1/2 == 2/4 ? ";

cout << std::ratio\_equal<one\_half,two\_fourths>::value << endl;

return 0;

}

[result]

1/2 == 2/4 ? true

[screenshot]

