C++ Math round()

This function is used to round off the given value which can be either float or double.

For example:

```
round(5.8)= 6;
round(-1.1)= -1;
```

Syntax

Suppose a number is 'x'. Syntax would be:

```
return_type round(data_type x);
```

Parameter

x : The value which can be either float or double.

Return value

It returns the rounded value of x. The return type of the value can be float, double or long double.

Example 1

Let's see a simple example when the value of x is positive

```cpp
#include <iostream>
#include<math.h>
using namespace std;
int main()
```

```cpp
{
    float x=8.3;
    std::cout << "The value of x is : " <<x<< std::endl;
    cout<<"Rounded value of x is : "<<round(x);
    return 0;
}
```

Output:

```
The value of x is : 8.3
Rounded value of x is : 8
```

Example 2

Let's see a simple example when the value of x is negative.

```cpp
#include <iostream>
#include<math.h>
using namespace std;
int main()
{
    double x=-9.9;
    std::cout << "The value of x is : " <<x<< std::endl;
    cout<<"Rounded value of x is : "<<round(x);
    return 0;
}
```

Output:

```
The value of x is : -9.9
Rounded value of x is : -10
```

← Prev   Next →