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Write a program that asks the user to enter an item's wholesale cost and its markup percentage. It should then display the item's retail price. For example:

- **If an item's wholesale cost is 5.00 and its markup percentage is 100%, then the item's retail price is 10.00.**
- **If an item's wholesale cost is 5.00 and its markup percentage is 50%, then the item's retail price is 7.50.**

The program should have a function named calculateRetail that receives the wholesale cost and the markup percentage as arguments and returns the retail price of the item. <u>Remember to put calculateRetail in a class.</u>

Input Validation: Do not accept negative values for either the wholesale cost of the item or the markup percentage.

SOURCE CODE:

ex1.cpp

```cpp
#include<iostream>
using namespace std;

class Market
{
    public:
        float getcalculateRetail(float ws,float mk_p); // CalculateRetail Function Definition
};

float Market::getcalculateRetail(float ws,float mk_p){  // CalculateRetail Function Proto-type

    float ret_p;
    ret_p=ws+(ws*mk_p/100); // Formula to calculate Retail Price

    return ret_p; // return the retail price to the function caller...
}

int main()
{
    float wholesale_cost=0;
    float markup_percentage=0;
    float retail_price=0;

    Market r;

    cout << "Enter Wholesale cost of Item = "; // user input of wholesale cost
    cin >> wholesale_cost;

    cout << "Enter Markup Percentage = "; // user input of markup percentage
    cin >> markup_percentage;

    while(wholesale_cost < 0 || markup_percentage < 0) // if user enters negative numbers it will show invalid input
    {
        cout << "Invalid Wholesale_cost or Markup_percentage" <<endl;  // Invalid input message display on screen
        cout << "Enter Wholesale cost of Item = ";  // user input for wholesale cost
        cin  >> wholesale_cost;
        cout <<"Enter Markup Percentage = "; // user input for markup percentage
        cin  >> markup_percentage;
    }
    if(wholesale_cost >= 0 && markup_percentage >= 0)
    { // if user enters positive numbers

    cout << "The Retail Price is = " << r.getcalculateRetail(wholesale_cost,markup_percentage) <<endl; // Function Call CalculateRetail
    }
        return 0;
}
```

OUTPUT WINDOW: