//Program to compute bill for either a wholesale or a retail purchase.

#include <iostream>

using namespace std;

int main()

{

const double TAX\_RATE = 0.05; //5% sales tax

char alse\_type;

int number;

double price, total;

cout << "Enter price $";

cin >> price;

cout << "Enter number purchased: ";

cin >> number;

cout << "Type W if this is a wholesale purchase.\n"

<< "Type R if this is a retail purchase.\n"

<< "Then press Return.\n";

cin >> sale\_type;

if ((sale\_type == 'W') || (sale\_type == 'W'))

{

total = price \* number;

}

else if ((sale\_type == 'R') || (sale\_type == 'r'))

{

double subtotal;

subtotal = price \* number;

total = subtotal + subtotal \* TAX\_RATE;

}

else

{

cout << "Error in input.\n";

}

cout.setf(ios::fixed);

cout.setf(ios::showpoint);

cout.precision(2);

cout << number << " items at $" << price << endl;

cout << "Total Bill = $" << total;

if ((sale\_type == 'R') || (sale\_type == 'r'))

cout << " including sales tax.\n";

return 0;

}