Group #2

8/16/2022

FA-22-CECS2222-22-SJU COMPUTER PROGRAMMING II (FA-22-SJU)

Code

```
#include <iostream>
#include <iomanip>

using namespace std;

class StockComission
{
private:
	int shares_Count;
	double price_per_Share, comission, total_Pay, price_without_Comission;

public:
	StockComission();

	void set_shares_Count(int);
	void set_price_per_Share(double);

	double get_amount_not_Comission();
	double get_Comission();
	double get_total_Payment();
};

StockComission::StockComission()
{
	shares_Count = 0;
	price_per_Share = comission = total_Pay = price_without_Comission = 0.0;
}

void StockComission::set_shares_Count(int Shares_Count)
{
	shares_Count = Shares_Count;
}

void StockComission::set_price_per_Share(double Price_Per_Share)
{
	price_per_Share = Price_Per_Share;
}

double StockComission::get_amount_not_Comission()
{
	price_without_Comission = static_cast<double>(shares_Count *
price_per_Share);
	return price_without_Comission;
}
```

```cpp
double StockComission::get_Comission()
{
	comission = get_amount_not_Comission() * 0.02;
	return comission;
}

double StockComission::get_total_Payment()
{
	total_Pay = (price_without_Comission + get_Comission());
	return total_Pay;
}

int main()
{
	StockComission Stock1;
	int shares_count{};
	double price_per_Share{};

	cout << "Greetings, this is a program that calculates a Stock comission "
		<< "\nbased on: "
		<< "\n- Shares count"
		<< "\n- Price per share"
		<< "\n- Comission "
		<< "\n\nEnter here the shares count --> ";
	cin >> shares_count;

	while (shares_count < 1)
	{
		cout << "\n\tRe-enter: ";
		cin >> shares_count;
	}

	Stock1.set_shares_Count(static_cast<int>(shares_count));

	cout << "What is the price per share? --> ";
	cin >> price_per_Share;

	while (price_per_Share < 1)
	{
		cout << "\n\tRe-enter: ";
		cin >> price_per_Share;
	}

	Stock1.set_price_per_Share(price_per_Share);

	Stock1.get_amount_not_Comission();


	cout << showpoint << fixed << setprecision(2)
		<< "Remember that the comission is 2%!"
		<< "\nThe comission is: " << Stock1.get_Comission() << '$'
		<< "\nThe total pay for the stock investment is going to be: " <<
Stock1.get_total_Payment() << '$' << endl;

	return 0;
	system("pause>nul");
}
```

Salida del programa (Command Prompt)

Greetings, this is a program that calculates a Stock comission

based on:

- Shares count

- Price per share

- Comission

Enter here the shares count --> 0

Re-enter: -1

Re-enter: 100

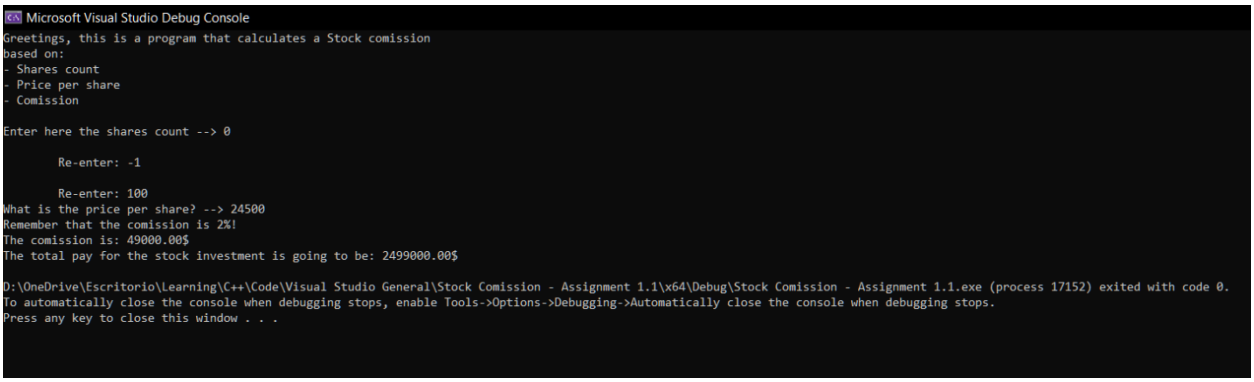
What is the price per share? --> 24500

Remember that the comission is 2%!

The comission is: 49000.00$

The total pay for the stock investment is going to be: 2499000.00$

Imagen


Microsoft Visual Studio Debug Console
Greetings, this is a program that calculates a Stock comission
based on:
- Shares count
- Price per share
- Comission
Enter here the shares count --> 0
Re-enter: -1
Re-enter: 100
What is the price per share? --> 24500
Remember that the comission is 2%!
The comission is: 49000.00$
The total pay for the stock investment is going to be: 2499000.00$
D:\OneDrive\Escritorio\Learning\C++\Code\Visual Studio General\Stock Comission - Assignment 1.1\x64\Debug\Stock Comission - Assignment 1.1.exe (process 17152) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .