

Name: _____

PROBLEM STATEMENT:

A widget is on sale. Given the retail price and the discount rate, what is the sale price? What is the total price of the item once the sales tax is added?

SOFTWARE DESIGN/PLAN:

Use your own words to indicate what must be done below:

INPUT:

CALCULATION:

OUTPUT:

CODE:

Build a VS project called CS121_Lab2.
Initial source code has been provided.
See included lab2_driver.cpp.
This is the driver you are to use and extend.
You need to add code to perform the specifications of this lab.

DELIVERABLES:

Page one of this lab with your design plan filled in on

12 September 2023 in lab

The executable file(from the release folder) and your source code, with the output of a sample run pasted at the end of your source code in a zip file named

Lab2_YourLASTNAME.zip

This zip is to be submitted to the Brightspace assignment cs121Lab2_Ans
(Go to Lab Submissions, Lab2, and upload your zip)

The electronic submission is due at 12:00pm Tuesday 19 September 2023

use the above variable names
include the usual comment header
comment code

NOTE

**ONLY submit the requested files : the
executable and your source code.
Do NOT submit the VS project files.
(a 15 point deduction if you do)**

NOTE

**From herein out all projects must be compiled
in release mode not debug mode**

NOTE

Use cin.ignore() and getchar() to keep the window open. To keep the shell window open after the program executes, the following code must be in your program:

```
#include <stdio.h> // need for getchar()
```

In your variable declarations

```
char ch;
```

the last lines of your code, but before the return statement, insert

```
cin.ignore();  
cout << " enter any key to continue : ";  
ch = getchar();
```

NOTE

To copy your console or command shell output , I.e. the results of a sample run of your program:

With your output still on the screen

Mark it by clicking the mark button and then using your mouse to select all the output and then click the copy button(if no buttons, right click on the title bar and use the edit menu to mark [Ctrl+A selects all] and then to copy Ctrl+C Paste (Ctrl+V) the output at the bottom of your cpp file

Place begin /* and end */ comment symbols before and after your output:

```
/*
```

```
    your console or command shell output is here
```

```
*/
```

No Window/Screen captures

NOTE

How to create a zip file

Create directory/folder with correct name

place required items in directory/folder

right click on folder, from the popup context menu

select send to > compressed folder.

you now have a .zip file.

This is the file you upload to brightspace