

ESET 269 Summer 2020 – Lab 1: Printf, Scanf, Math

If using the Launchpad, use the Lab Template project. This lab can also be done using another IDE.

Code 1: Using printf with conversion characters and escape sequences, display the following text.

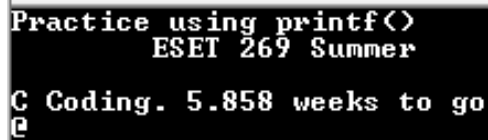
```
Practice using printf()
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C Coding. 5.858 weeks to go
@
```

Pay attention to the indents and number of new lines. The following must use variables and cannot be hard coded.

- 269 as an integer variable
- 5.858 as a float variable
- C Coding. as a string variable
- @ as a character variable

Example output to the console window is shown below.



```
Practice using printf<>
    ESET 269 Summer

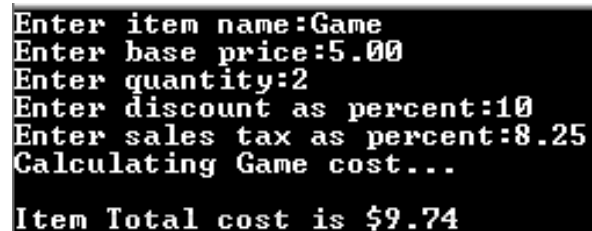
C Coding. 5.858 weeks to go
@
```

Code 2: Write a program that calculates the effective price of an item given the following

- Item name
- Base price
- Quantity of items
- Discount of total purchase as percent
- Sales tax of total purchase as percent

In the console window, display to the user that the price is being calculated, and then show the effective cost of the item. In addition, the name of the item will be changed (**reassigned**) to Item Total.

Example output to the console window is shown below.



```
Enter item name:Game
Enter base price:5.00
Enter quantity:2
Enter discount as percent:10
Enter sales tax as percent:8.25
Calculating Game cost...

Item Total cost is $9.74
```