Introduction to Programming EE2310 Homework 1

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Problem - Bill Generator

Obtain information from the terminal and output a complete bill.

My Solution

Using getline and cin function to obtain the information and save them into separate variables. Then use cout function to print out the full bill (also calculated tax and total at the same time).

Additional Features

- All the numbers will display to the second digit after the decimal point by using the setprecision function in cout.
- The screen will automatically cleared after all the variables are entered by using the system ("cls"); command.

Program Flow & Structure

```
getline → cin → system("cls"); → cout → return 0
```

Discussions

- Is there any other way to get the input of a string (or a char array) with spaces without using getline()?
 - >>Tear the date into three parts or using the getchar() function are also feasible ways.

Output Result

```
billing_date: November 23th, 2014
firstname: Jason
date1: 08/01/2014
date2: 09/01/2014
base: 30
local: 5
international: 10
pay_date: 09/30/2014
```