

Assignment 1

CSIS 113A – Duffie (S2017)

Objective: To create a C++ console application that calculates Gross Pay and Net Pay based on specified user input.

General Instructions: The overall design and format of your program is up to you. You should utilize a Tax Rate of 28% (.28). Your input should utilize cout for prompts (i.e. “Enter Regular Hours Worked: “, etc.). Your output should utilize cout for output.

Please include a multi-line comment at the top of your program that lists your name, the class, the assignment number, and the date. Also, please include single line comments to clearly identify the input, processing, and output sections of your program.

Be sure you utilize descriptive variable names such as `hours` and `rate`, and not generic variable names such as `x` and `y`.

Required Input: Your application should prompt the user for the following inputs -

Enter Regular Hours Worked:
Enter Rate of Pay:

Required Output: Your application should calculate and display the payroll results in an easy to read format.

Total Gross Pay: 100.00

Taxes Withheld: 28.00

Total Net Pay: 72.00

Total Gross Pay is calculated by multiplying Regular Hours Worked by Rate of Pay. Taxes Withheld is calculated by multiplying Gross Pay by the Tax Rate. Total Net Pay is Gross Pay less Taxes Withheld.

Note: Please note that if you utilize `int` variables in your program you will most likely need to cast your `int` variables as `double` in order for your program to calculate and display the correct output values. For example -

```
gross = (double)hours*rate
```