**In class Exercise – 4/11/2019 – Due on or before Sunday 4/14 by midnight**

**Objective: Type 1 and type 2 functions (not returning value functions)**

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| **Important instructions:**   * *All programs must include comments at the top of your program: your name,* the class name (CSIT 575)*, program name and* ***the program description (purpose of the program).*** * *Copy and paste your* ***program code*** *and* ***output*** *in Part B of each program. Note: Use snipping tool to snip the output.* * *Once it is done, save and submit this word file via Canvas.* |

**1. grosspay.cpp**

Write a program that asks the user to enter hourly pay and worked hours. The program will then calculate gross pay using the following function prototypes:

* **void printDescription();** //should display a program description.
* **void calPayCheck(float, int);** // computes and outputs gross pay.

**Sample run:**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**This program takes two numbers (pay rate and hours)**

**and outputs gross pay.**

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**Please input the pay per hour: 15**

**Please input the number of hours worked: 20**

**The pay is $300**

**We hope you enjoyed this program.**

**Part B: Copy and paste your program (source) code and the outputs after this line**

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**2. displaycharacter.cpp**

Write a program that asks the user to enter a character and the number of times to display that character. Write a function to display the character on the screen.

Function prototype:

* **void num\_chars(char, int);** //to display the character on the screen.
* **void process(char);** // ask the user how many times to display character; call function num\_chars(char, int); and handle the loop.

**Sample run:**

**Enter a character: &**

**How many times would you want to display character &? 5**

**& & & & &**

**Enter another character or press the q-key to quit: q**

**Bye**

**Part B: Copy and paste your program (source) code and the outputs after this line**

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