CS5243 Advanced UNIX Programming

Assignment 4 (5 pts)

Due: Oct 14, 2023, at 23:59:59

**Notice**

1. Please name your file properly; 2 pts will be taken out for incorrectly-named files.
2. Late submission is not allowed. You will receive 0 point in that case.
3. Plagiarism is not allowed. We will pass your source codes through a tool called “moss”, which is an anti-plagiarism service provided by Stanford University to determine the similarity of programs. If your program has > 20% similarity with your classmates, you will receive 0 point; no exception will be made. (Hint: Please do not share your code with fellow students. Discuss with them instead.)

**What to hand in**

1. Your implementation code. You should name it “**assignment4.c**”.
2. A makefile that can compile your code. You should name it “**Makefile**”.
3. A report that contains explanations of how you implemented your code. You should name it “***Group\_id*.pdf**”.
4. Please upload all the code files separately and the pdf (do not zip them) to eeclass.

**Specifications**

This assignment will help you get familiar with the format of **strftime**.

Write a program that obtains the current time and print it using **strftime**.The printed message should look like the output from **date(1)**. In your implementation, you should write your program **without directly using date(1) or any other similar command**. The following is the grading policy:

1. **(3 pt)** Write a program that prints the current time of **Asia/Taipei** time zone using **strftime**.
2. **(1 pt)** Change a time zone and show the output of the time zone you choose in your report.
3. **(1 pt)** Describe your implementation in your report.

**Additional Notes**

1. All of your code should be implemented within one .c file.
2. Your output **should follow the same format as the sample output**.

**Sample Output**

Fri Sep 01 21:11:06 CST 2023