Make sure that for each program you have commented at the top correctly. Hand in to dropbox on iLearn , one single PDF that includes the working code and a snapshot of the working output of all the programs.

Program #1

Use your knowledge of \n and \t to write a program that will display a calendar for the month of September 2022 like the one below.

```
 _____
|                                                |
|                SEPTEMBER 2022                  |
|_____|
|    Sun    Mon   Tues   Wed    Thur   Fri   Sat |
|                                                |
|                               1     2     3    |
|                                                |
|    4      5     6      7      8      9     10   |
|                                                |
|    11     12    13     14     15     16    17   |
|                                                |
|    18     19    20     21     22     23    24   |
|                                                |
|    25     26    27     28     29     30         |
|_____|
```

Program #2a

Given m=7, n=3, x=4, and y=2 create a program that outputs the result of the formula below using a single printf function.

$$f = (m + n)(x - y)$$

Program #2b

Write a program that uses the above formula, but this time prompts the user for the values for m, n, x, y. Make sure to use change the variable into appropriate variables names.

Program #3

Build a Computer sales man commission program that prompts the user for the data and determines the commission for a merchant selling gear using the following formula:

Commission = Rate * (Sales Price - Cost)