Homework #1

Turn In:

1. Exercise #1 – Due on **Monday, June 22, 2020 at 11:00pm**
    a) For each exercise, a package must be generated to include the following items:
        -   Copy of your source file (C program)—your source file MUST BE NAMED as **cis6Summer2020YourNameHw1Ex1.c** (you need to replace "**YourName**" with your First Name and your Last Name without any spaces in final filename).
        -   Copy of output (copy and paste to the end of your program as **PROGRAM_OUTPUT** comment block)
        -   Copy of **YOUR_Logic Issues_Code Issues, Output Issues_COMMENTS** (as a separate comment block) after the PROGRAM_OUTPUT.

    b) Emailing each package as follows,
        -   One email message for each exercise.
        -   The SUBJECT line of the message should have the following line:

            cis6Summer2020YourNameHw1Ex1.c

        -   Attaching the source file that was created in part a).

3. Q.E.D.

****

1. Coding Assignment

Exercise 1 – Due Monday, June 22, 2020

(1) Write a C program to display the output described below.

(2) First, the program should display the following information:

```
CIS 6 - Introduction to Programming (Using C)
Laney College
Your Name

Assignment Information --
  Assignment Number:  Homework #1,
                      Coding Assignment -- Exercise #1
  Written by:         Your Name
  Submitted Date:     2020/06/22
```

You need to replace "**Your Name**" with your real name and "**Due Date**" with the specified due date and format.

(3) Then, the program will continue to display the two initials of your first name and last name. The program will also print the total numbers of each of the two initials (characters).

The formats for the initials are specified as follows,

- The initial of your first name must be nine (9) columns for the width and nine (9) rows for the height.

- The initial of your last name must be nine (9) columns for the width and nine (9) rows for the height.

- There is at least one blank column between the two initials.

Let us assume that a person has the name of "**New Year**". A partial output may be as follows,

```
N         N   Y         Y
NN        N     Y       Y
N N       N       Y   Y
N   N     N         Y Y
N    N    N           Y
N      N  N           Y
N        N N          Y
N         NN          Y
N         N           Y



There are 25 N's, and 13 Y's.

There are 38 characters in total.
```

Save your program with **cis6sumer2020YourNameHw1Ex1.c** as its filename.

A complete run of the program would then produce the output below.

```
CIS 6 - Introduction to Programming (Using C)
Laney College
Your Name

Assignment Information --
   Assignment Number:   Homework #1,
                        Coding Assignment -- Exercise #1
   Written by:          Your Name
   Submitted Date:      Due Date

N          N    Y          Y
NN         N      Y       Y
N N        N        Y    Y
N   N      N          Y Y
N     N    N           Y
N       N  N           Y
N         N N          Y
N           NN         Y
N           N          Y


There are 25 N's, and 13 Y's.

There are 38 characters in total.
```

(4) All indentations and blank lines must be the same as shown above.

(5) Again, save the program as **cis6Summer2020YourNameHw1Ex1.c**.

(6) The above output should be copied and added to the end of the code as **PROGRAM_OUTPUT** comment block.

(7) Finally, insert a **YOUR_Logic Issues_Code Issues_Output Issues_COMMENT** block at the end (after the **PROGRAM_OUTPUT** block).