

CSE240 Spring 2017 Project1 (5 points)

Due time: Thursday, January 19th, 5:00pm

Write a code to generate the following pattern:

1. User inputs N ($N \geq 3$)
2. Print the first line with N *, followed by $2N$ spaces, then followed by N *
3. Print the second line with one space, followed by N *, followed by $2N - 2$ spaces, then followed by N *
4. Continue to print $N + 1$ lines

The following is an example of $N = 3$:

```
***      ***
***      ***
***  ***
*****
```

Notes

1. Get N from input (*cin*)
2. Use for or while loop
3. Due date is Thursday, Jan. 19th, 5:00pm, any late turn in will be counted as 0.
4. A lab session is scheduled from 10:00am to 4:00pm on Jan. 19th, please pick a good time and be in lab 1D39 to learn how to program and turn in the project
5. You must name your folder “Project1”, your code “main.C”, and your binary code “test”
6. You also need a “Makefile”
7. You need to use the dropbox to turn in your project in one tar.gz file.
8. Your code should be readable, so please put comments in the code, also put your name at the beginning of your file (using `//`).