

CSC 141  
Summer 2025  
Homework #1 due ----- at 8:00 am June 2<sup>nd</sup> , 2025

Instruction on how to submit your answers:

Only your first submission will be graded, log into D2L and upload your submissions under homework#1.

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1. Write a Python program to prompt the user to input a single digit number  $n$  and then display a pattern such as  $n\ nn\ nnn$ . For example, if the input is number 6 then the output should be 6 66 666.

2. Write a Python program to generate the following pattern:

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3. Write a Python program to get an odd number as the input and then display the two previous and two next numbers. For example, if the input is three, the output should be: -1 1 3 5 7.
4. Write a Python program to get a triangle's height and base width as input and then calculate its area.