HW01 - Due Monday 25 January 2016 before 11:59PM

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1. Write a C program that displays the half-pyramid (*half_pyramid.c*). Ask the user for the number of rows.

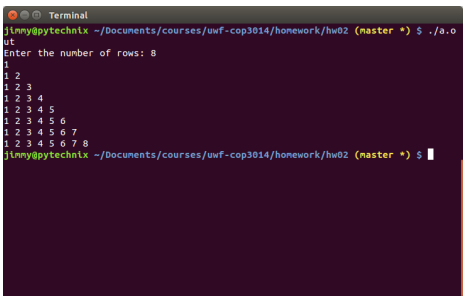

Figure 1: Problem 1 Output

2. Write a C program that displays an upside-down pyramid (*inverted_pyramid.c*). Ask the user to input the number of rows.

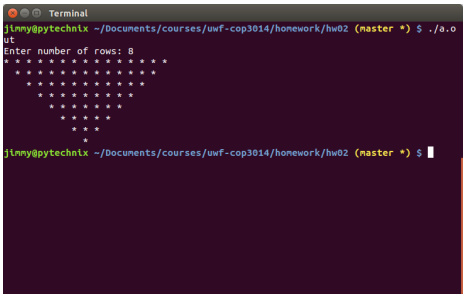

Figure 2: Problem 2 Output

3. Write a C program to count the digits in a number (*count_digits.c*). Ask the user for the number. Make sure it can handle long integers.

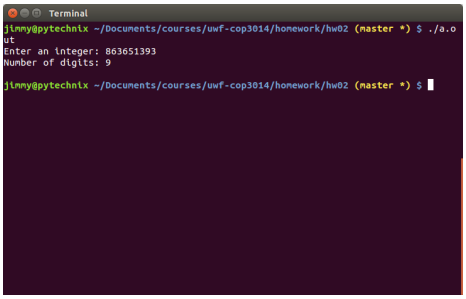

Figure 3: Problem 3 Output