Day 2

Lab Assignments:

1. Write a program that asks the user how many days are in a month, and what day <u>of the</u> week the month begins on (0 for Monday, 1 for Tuesday, etc), and then prints a calendar for that month.

For example, here is the output for a 31-day month that begins on day 5 (Saturday):

Mo	Tu	We	Th	Fr	Sa	Su
					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
31						

2. Define a procedure histogram() that takes a list of integers and prints a histogram to the screen. For

   example, histogram([4, 9, 7]) should print the following:

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3. Write a version of a palindrome recognizer that also accepts phrase palindromes such as

   "Go hang a salami I'm a lasagna hog.", "Was it a rat I saw?", "Step on no pets", "Sit on a potato pan, Otis", "Lisa Bonet ate no basil", "Satan, oscillate my metallic sonatas", "I roamed under it as a tired nude Maori", "Rise to vote sir", or the exclamation "Dammit, I'm mad!". Note that punctuation, capitalization, and spacing are usually ignored.

4. A pangram is a sentence that contains all the letters of the English alphabet at least once, for example: The quick brown fox, jumps over the lazy dog!!!!.

Your task here is to write a function to check a sentence to see if it is a pangram or not.