Homework 8 - Due Monday, April 19

**Power.C**: Write a program that reads a float $x$ and an integer $n$, and prints $x^n$. Use the fact that $x^n = x \cdot x^{n-1}$ to do the calculation with a recursive function.

**Jumble.C**: Write a program that reads a word from the user and prints out all rearrangements of the letters (in any order), to help solve a jumble puzzle:

Enter a word: leph
leph
lehp
lpeh
lphe
...
hpel

To do this, put the characters into an array. Write a recursive function that loops through each letter, moving it to the front of the array, and then calling itself to jumble the remaining letters.