

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 $x^n = x * x^{n-1}$ 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

...

hpe1

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.