Assignment 2

Problem 1 (Ransom Note Problem)

Kidnapper kidnaps you and writes a ransom note. He does not write it with hand, as handwriting can put him in, so reaches to a magazine at table and creates ransom note. We need to find out given ransom string and magazine string, is it possible to **create given ransom note**. Kidnapper can use individual characters of words.

* your program should prompt the user to enter a String to represent the magazine and another String to represent the required ransom note.
* your program need to check if magazine string contains all characters and in equal or greater number, present in ransom note.
* your program should print true if it is possible to create the given ransom note from the given magazine, and print false otherwise.
* Break up your code into a set of well-defined functions. Each function should include a comment block that briefly describes it, its parameters and any return values.

Problem 2

Write an automated censor program that reads in the text from a file and creates a new file where all of the four-letter words have been replaced by "\*\*\*\*". You can ignore punctuation, and you may assume that no words in the file are split across multiple lines.