## **Homework 12**

Homework 12.1

Write a program that inputs a line of text, counts the number of spaces by using a function, and displays the number of spaces.

Homework 12.2

Write a function to replace a character from a string to another character. For example, if you want to replace all character 'p' from the string "papa" to the character 'm', the string would become "mama". The function takes 3 arguments: the string, the character to be replaced and the new character. (E.g. *replace("papa", 'p', 'c');*)

Homework 12.3

Write a program that tests a customer number to determine whether it is in the proper format: LLLNNNN with LLL are letters and NNNN are numbers.

Homework 12.4

Write a program asks the user to enter the full name (including first and last name separated by spaces), then print out the first name.

Homework 12.5

Write the function**strend(s,t)**, which returns 1 if the string**t** occurs at the end of the string **s**, and zero otherwise.

Homework 12.6

A list of product number and description of shop is:

    "TV127  31 inch Television",  
    "CD057  CD Player",  
    "TA877  Answering Machine",  
    "CS409  Car Stereo",  
    "PC655  Personal Computer"

Store this list in an array of string and write a program allowing user to lookup a product description by entering all or part of its product number.