1. （反轉句子中的文字）撰寫一個可輸入一行文字，然後利用堆疊將這些文字以相反的順序顯示出來的程式。(30%)

**2.** （遞迴搜尋串列）寫一個函式searchList，遞迴搜尋鏈結串列中某個特定的值。若找到含有該值的節點，函式應傳回指向該節點的指標；否則函式就傳回null指標。撰寫一個測試程式來建立一個整數串列(十個節點)，並測試你的函式。你的程式應該提示使用者輸入想要尋找的值。(40%)

**3.**（建立佇列）撰寫一個程式來建立一個具有10個字元的，然後輸出佇列。(30%)

1. ***(Reversing the Words of a Sentence)*** Write a program that inputs a line of text and uses a stack to print the line reversed. (35%)

2. ***(Recursively Search a List)*** Write a function searchList that recursively searches a linked list for a specified value. The function should return a pointer to the value if it’s found; otherwise, NULL should be returned. Use your function in a test program that creates a list of integers (ten nodes). The program should prompt the user for a value to locate in the list. (35%)

3. ***(Creating a Queue)*** Write a program that creates a queue of 10 characters, then outputs the queue. (30%)