**1. Word Separator** – Write a program that accepts as input a sentence with all the words running together, but the first character of each word is an uppercase letter and stores it in the form of a **string object.**  Convert the sentence to a string in which the words are separated by spaces and only the first word starts with an uppercase letter. For example, the string “StopAndSmellTheRoses” would be converted to “Stop and smell the roses”. Note: += operator can be used with strings.

**Output:** Display the new string

**2. Case Manipulator** – Write a program with three functions: **upper**, **lower**, and **flip**. Each function should accept a **C-string** as an argument. The **upper** function should step through all the characters in the string, converting each to uppercase. The **lower** function, should step through all the characters in the string converting, each to lowercase. The **flip** steps through the string, testing each character to determine whether it is upper or lowercase. If upper, it should convert to lower. If lower, it should convert to upper.

The **main** function should accept one string from the user, then pass it to each of the functions.

**Output:** The original string, the uppercase, lowercase, and flipped case strings should all be displayed.

You should have two programs to turn in.