**Exercise 12**

**Develop the following:**

**1.** Create a *Win32* console app with a *main.cpp* function.

**2.** Create a function called *Trim()* that takes in a *std::string* text as well as additional parameters to state the start and length of the string to ‘cut-out’. The function should then alter the string based on these passed values.

**3.** Add another function called *AddString()* that takes in two string objects. The first is the string to add to, and the second is the string being added.

**4.** Write a function called *DisplayCharacters()* that takes in a string object and loops through each character and displays it on screen. Add code to the function that also displays the length of the passed string and checks whether the string object has any text at all.

**5.** Write a function called *ParseString()* that takes in a string object and a character token that signifies where to split the string. The function should loop through the entire string and break it up into pieces where ever it finds the token. The broken string pieces should be stored in a separate array of strings. Also make sure the string is not empty.

**6.** Write a function called *RemoveCharacter()* that takes in a string object and uses the *find()* algorithm to search for and remove a particular character from it. If the character cannot be found, leave an error message.