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CPSC 535
March 3, 2021

CPSC 535 (Project 1)

Pseudo Code:

```
While(There exists strings to be replaced)
    For(String Pairs in LS) {
        Iterate through each string pair and look for the
        string to be replaced that occurs first
    }
    If(No more strings to be replaced) {
        Continue while loop
    } Else {
        Replace the first appearance of the pair that appears
        first
        tempString += First part of the string including word
        to be replaced
        S = String AFTER replaced word to be replaced
    }
Return tempString
```

Description:

Each of the test case strings S and list of strings LS are hardcoded into the program.
Comment/uncomment variables S and LS at the top of the code to run each test case.

```
1  ## Brian Fang, brian.fang@csu.fullerton.edu
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3  ## Ashu Singh, ashusingh28@csu.fullerton.edu
4  ## CPSC 535
5  ## March 3, 2021
```

Screenshots of Output:

```
PS C:\Users\Brian> & C:/Users/Brian/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/Brian/Dropbox/CSUF MS/CPSC 535/Project1.py"
S: My dear Anna, let me congratulate you on the beautiful car that you purchased today. It looks very posh. I hope you got a good deal. Cars are expensive but much needed. Best regards, Naomi.
N: 189
M: 4
LS: [['Anna', 'Jovi and Victor'], ['car', 'house'], ['today', 'last week'], ['posh', 'well built']]
Final String: My dear Jovi and Victor, let me congratulate you on the beautiful house that you purchased last week. It looks very well built. I hope you got a good deal. Cars are expensive but much needed. Best regards, Naomi.
```

```
PS C:\Users\Brian> & C:/Users/Brian/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/Brian/Dropbox/CSUF MS/CPSC 535/Project1.py"
S: Our newest students have been asked to stay today until the end of the classes. The old principal.
N: 98
M: 5
LS: [['new', 'old'], ['student', 'teacher'], ['to', 'yester'], ['old', 'young'], ['end', 'beginning']]
Final String: Our oldest teachers have been asked yester stay yesterday until the beginning of the classes. The young principal.
```

```
PS C:\Users\Brian> & C:/Users/Brian/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/Brian/Dropbox/CSUF MS/CPSC 535/Project1.py"
S: Our newest students have been asked to stay today until the end of the classes. The old principal.
N: 98
M: 5
LS: [['old', 'young'], ['student', 'teacher'], ['to', 'yester'], ['end', 'beginning'], ['new', 'old']]
Final String: Our oldest teachers have been asked yester stay yesterday until the beginning of the classes. The young principal.
```

```
PS C:\Users\Brian> & C:/Users/Brian/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/Brian/Dropbox/CSUF MS/CPSC 535/Project1.py"
S: Happy Birthday Tom! Today is a very special day. Remember to enjoy yourself. This only happens once a year. Bye!
N: 112
M: 5
LS: [['Tom', 'Amy'], ['Today', 'Yesterday'], ['day', 'night'], ['once', 'to'], ['to', 'here']]
Final String: Happy Birthnight Amy! Yesterday is a very special night. Remember here enjoy yourself. This only happens to a year. Bye!
```

```
PS C:\Users\Brian> & C:/Users/Brian/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/Brian/Dropbox/CSUF MS/CPSC 535/Project1.py"
S: new new old new old old new
N: 27
M: 2
LS: [['new', 'old'], ['old', 'young']]
Final String: old old young old young young old
```

```
PS C:\Users\Brian> & C:/Users/Brian/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/Brian/Dropbox/CSUF MS/CPSC 535/Project1.py"
S: May the spirit of Christmas infuse your life and that of your family members with hope, positivity, and joy.
N: 108
M: 4
LS: [['spirit', 'world'], ['life', 'day'], ['family', 'kids'], ['joy', 'happiness']]
Final String: May the world of Christmas infuse your day and that of your kids members with hope, positivity, and happiness.
```