

ECE-203 Programming for Engineers

Laboratory Experiment 7

Name: _____

In Lab Assignment (Due end of this lab session)

(40 Points) You are to write a program that converts sentences constructed using text message (SMS) slang into sentences using the proper King's English. Your program should be aware of the following SMS slang equivalences:

SMS Slang	King's English
gr8	great
btw	by the way
imho	in my humble opinion
jk	just kidding
l8r	later
np	no problem
r	are
u	you
y	why
ttly	talk to you later
l8	late
atm	at the moment
lmk	let me know
np	no problem
tia	thanks in advance
brb	be right back

Punctuation marks will mess up your program if you are not careful. You will need to check for punctuation, save the punctuation, perform the translation, and then put the punctuation mark back. You can check if the last character of a word is a punctuation mark using:

```
1 if word[-1] in ".?! ,; :":
2     print "The last character is a punctuation mark!!"
```

The last character can be trimmed using the `string.rstrip()` method.

Your program should take input from the user (written in SMS slang) and convert it into the King's English. Your program should make use of a dictionary. Show your completed program to the TA and demonstrate that it works.

Example Output:

```
Enter message to translate: y r u l8?
Message in the King's English: why are you late?
```

TA Initials _____