

CMPE1300 – Exercise 11 foreach

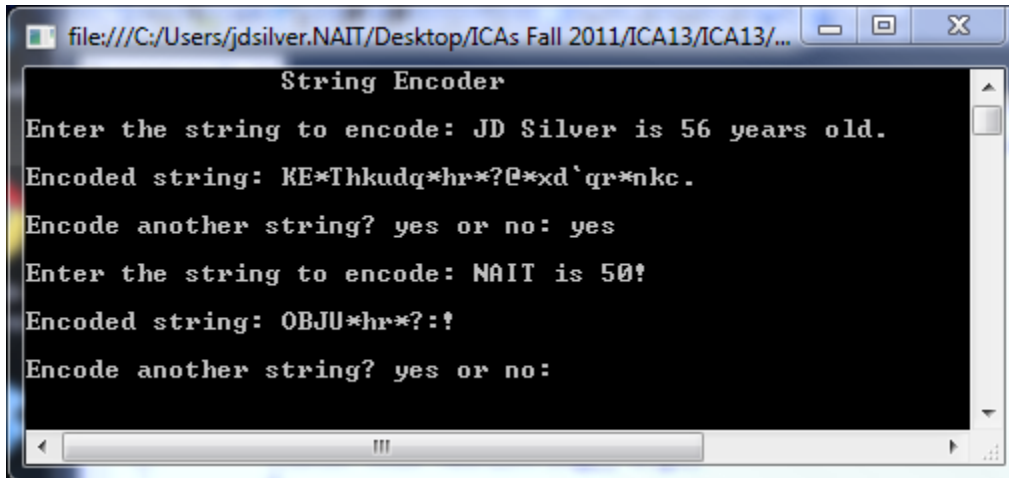
You will write a C# program that will encode a string entered by the user. The encoding process will take place within a foreach loop. Use the following rules to encode the string:

- Each character that is a digit will have 10 added to its Unicode value.
- Each character that is lowercase will have 1 subtracted from its Unicode value.
- Each character that is uppercase will have 1 added to its Unicode value.
- Each whitespace character will be changed to an asterisk character.
- Any other character will be passed on the output string.

Within the foreach loop, an encoded string will be created as each character is examined. Once the encoding process is complete, the encoded string will be displayed.

The user will be asked if they wish to run the program again. If the user answers “yes” in any combination of upper and lower case letters, the program will run again. If the user gives any other response, the program will exit.

Write your pseudocode **before** writing your program. Show your pseudocode to your instructor.



```
file:///C:/Users/jdsilver.NAIT/Desktop/ICAs Fall 2011/ICA13/ICA13/...
String Encoder
Enter the string to encode: JD Silver is 56 years old.
Encoded string: KE*Thkudq*hr*?@*xd`qr*nkc.
Encode another string? yes or no: yes
Enter the string to encode: NAIT is 50!
Encoded string: OBJU*hr*?:!
Encode another string? yes or no:
```