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CSCI 1500-01

10/21/14

Problem: Create a function that prompts the user to input an integer and a string then shift the characters in the string across the alphabet by the integer that the user entered. A shifted by 3 becomes D and Z shifted by 1 becomes A.

Variables: shift (int) -> stores the integer entered by the user to dictate how many characters the string is shifted by.

string (str) -> stores the user entered string that is to be shifted.

string\_shifted (str) -> stores the shifted string.

alphabet (dic) -> stores the alphabet as keys to the values 0-25; a = 0, z = 25

alphabet\_shift (dic) -> stores the alphabet as keys to the shifted values defined by the user.

Pseudocode: Prompt user “Enter the string you want encrypted: “

Store input to string

Prompt user “Enter the integer you want to shift the string by: “

Store input to shift

Run string through conversion loop

For each key in alphabet

Add {key, ((value+shift)%25)} to alphabet\_shift

For each letter in string

Find value at alphabet{letter}

Add alphabet\_shift{value} to string\_shifted