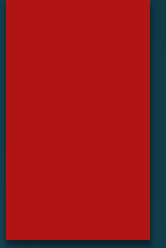



QUESTIONS ON STRING



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- ▶ Write a Python Program that should perform the following four tasks:
 - (a) After getting a word (of input) from the user, your program should use a while (or for) loop to print out each of the letters of the word. Just remember that strings in Python start with element 0!




(b) Your program should then use another loop to print out each of the letters of the (same) word in reverse order!



(c)

Make a new variable that is the original word in reverse and print that variable. You can do this very easily in Python with a 'string slice''



(d)

Ask the user for a letter to count . Use another loop to count how many times that letter appears in the original word. Print out this count.




▶ Twisted Pig Latin

Write a program that prompt the user to enter a single word. Then form a new word by taking the first letter of the original word, moving it to the end, and adding “ay”. Thus “school” becomes “choolsay”




Write a loop that prints out the index of every
'i' in 'Mississippi'




Write a program that prompts the user for two strings and checks if one of the strings is a prefix of the other. Print an appropriate message to inform the user which is the prefix of which or that neither is a prefix.

For example, if the user input “evergreen” and “ever”, the program would respond: “ever” is a prefix of “evergreen”. But if the input was “evergreen” and “green”, the program would respond that neither is a prefix of the other.



Write a program that prompts the user for a string `s` and a character `c`, and outputs the string produced from `s` by capitalizing each occurrence of the character `c` in `s` and making all other characters lowercase.

For example, if the user inputs “Mississippi” and “s” the program outputs “miSSiSSippi”



Write a program that inputs a word and prints
“Yes it starts!!” if the given word starts with
“0”, “1”, “2”, “3” “9”.



Write a program that prompts a user for their “password” and then determines if the password is valid or not.

A password is said to be valid if it starts with a digit and it has length 6 or more.

If your program determines that the user-entered password is not valid ,it should print a message saying so. Otherwise ,it should print a message saying that it has accepted the user-entered password.