

Lab 7

String Operations

Instruction: Create an assembly program that will continuously ask for 2 string inputs and evaluate if the 2 inputs are a pair of palindrome. A palindrome is a word, phrase, number, or other sequence of characters which reads the same backward and forward, such as madam or kayak. Here, never mind the case of the characters, e.g. pop and Pop are just the same and are both palindromes. Maximum length of each string input is 30 characters. Character 'q' or 'Q' will exit the program. *(For string input, refer to your book with topic on INT 21H Function 3FH for Keyboard Input; page 152 in 4th edition and page 149 in 5th edition.)*

Sample input/output:

String 1> saippuakivikauppias
String 2> NIYON ANOMHMATA MH MONAN OYIN
You got 2 palindromes!

String 1> bob
String 2> hello
It's just 'bob'!

String 1> hi
String 2> PoOp
It's just 'PoOp'!

String 1> paint
String 2> red
Finals is coming!

String 1> Philippines
String 2> q
Program terminated successfully!

String 1> Q
Program terminated successfully!