National University of Computer and Emerging Sciences

Lab Quiz 2

Computer Organization and Assembly Language

Time Allowed	60 Minutes	Student Name	
Maximum Marks	5+5+2+3= 15	Roll Number	
Lab Instructors	Rida Mahmood	Date	

ACTIVITY 1:   [5 Marks]

Write a subroutine which copies contents of string1 into another string but without spaces and punctuation marks. For example, if it is provided the following string

String1 DB "Mr. Ali, Usman, & Anwar! Doing what???? want to travel????", '0'

It should return

String2 DB "MrAliUsmanAnwarDoingwhatwanttotravel", '0'

Note: Your subroutine should be capable of eliminating spaces and punctuation marks from the string of any size.

ACTIVITY 2:   [5 Marks]

Write a subroutine that reverses the contents of a given string. For example, if it is provided the following string

String1 DB "I am Mr X", '0'

It should return

String2 DB "X rM ma I", '0'

Note: Your subroutine should be capable of reversing the string of any size.

ACTIVITY 3: [5 Marks]

Write a program which

1. First removes punctuation from **String1** and produces **String2**
2. The reverses the **String2** and produces **String3**
3. Compare both Strings (**String2** and **String3)** for equality
4. If both strings are equal, print("The given string is palindrome") otherwise print("The given string is not a palindrome")

String1 DB "A man, a plan, a canal, Panama!!!", '0'

String2 DB "AmanaplanacanalPanama", '0'

String3 DB "amanaPlanacanalPanamA", '0'