

Lab 9

Task 1

Write an Assembly Language Program that will copy a string `STRING_1` into another string `STRING_2` using the instruction `MOVSB` and `REP`, and also display it.

Task 2

Write an Assembly Language Program that prompts the user to enter a string, then stores it in a string using instruction `STOSB`.

Task 3

Write an Assembly Language Program that prompts the user to enter a string, then counts and display the number of vowels in the string using `SCASB` and `REPNE` instructions.

Task 4

Write an Assembly Language Program that prompts the user to enter two string, than it will find that the second string is the substring of first or not.

Sample execution:

i)

Enter first string: **Hello World**

Enter second string: **ello**

Yes it is Substring

ii)

Enter first string: **Hello World**

Enter second string: **elloabc**

Not a substring