Practice 9 – Strings

Note: Use file "useme.c" for the tasks:

Task 01: Count the number of words in the paragraph. Use space and null character for counting. Ignore following characters:

Task 02: Extend previous task, find length of maximum length of the word by counting length of each word.

Task 03: Count the number of sentences by using full stop and null character. Print each sentence in separate line.

Next tasks are independent of previous tasks:

Task 04: Initialize a string with numbers, alphabets and other characters. Write code to count other characters only.

Task 05: Input two strings and compare whether they are equal or different. Compare them without case. See sample run for understanding:

```
First String: MorninG
Second String: Morning
Both are equal

First String: Morninb
Second String: Morning
They are different
```

Task 06: Declare three character arrays. First two arrays of size 20 and third array size 50. Take input in first two arrays using scanf with %s. Concatenate first and second array in third array. Place space between the two words. Store null character at the end and print third array using printf function with "%s". See sample run:

```
First String: Good
Second String: Morning
Third String: Good Morning
```

Task 07: Declare three character arrays. Store your full name in third array with space in between. Separate first word of your name in first array and second word of your name in second array. Print both first and second array in separate lines using printf with "%s" option. See sample run:

```
Third String: Malik Rauf
First String: Malik
Second String: Rauf
```