Assignment 8

[19.01.2021 – Tuesday – Lab 8]

Common to All Students:

Write a C Program for the following problem statements

1. read from a terminal using scanf function and print using printf function.

2. read a lines of text from a terminal using fgets function and print using puts function.

3. convert

   a. Upper case to Lower case

   b. Lower case to Upper case

   c. Toggle case

   d. Sentence case

4. perform String Concatenation (With and Without String Handling Functions).

5. perform String Reversal (With and Without String Handling Functions).

6. perform Substring Extraction (With and Without String Handling Functions).

7. copy one string into another and count the no of elements copied. (With and Without String Handling Functions).

8. read a string and prints if it is a palindrome or not.

9. read a line of text and count all occurrences of particular word.

10. read a string and rewrite it in the alphabetical order.

11. Print the Words Ending with Letter S

12. Delete All Repeated Words in the line of text.

Practice Questions [Optional]:

Write a C Program for the following problem statements

1. find the number of vowels, consonants, numerals and special characters in a text string.

2. print the alphabet set a to z and A to Z in decimal and character form.

3. read 2 string constants into a and b. Compare whether they are equal or not. if not, join them together. Then copy the contents of a to the variable c. At the end of the program, print the contents of all three variables and their length. (With and Without String Handling Functions).

4. read a line of text and count all occurrences of particular character.

5. Remove all Characters in a String except alphabet

6. count no of characters and words in the line of text.

7. using for loop to print the following output:

S

SM

SMA

.

..

...

SMART HACKATHON

...

..

.

SMA

SM

S

8. extract the portion of character string and print the extracted string.

9. extract the portion of words from line of text and print the extracted line of text.

10. replace a particular character by another character in a string.

11. replace a particular word by word character in a line of text.

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