

ITC LAB #10 CS (A)

LAB TASK

1. Write a program that:
 - a. Ask the user to enter a paragraph and write the entered paragraph in file.
 - b. Ask the user to enter a word and search that specific word in file and print if the word is found or not.
 - c. Your program should also count the frequency of occurrence of that specific word.
2. Write a program that reads a string and outputs the number of times each lowercase vowel appears in it. Your program must contain a function with one of its parameters as a string variable, and return the number of times each lowercase vowel appears in it. Also write a program to test your function.
3. Write a function in C++ to find the sum of the series, your function takes one parameter and print the series.

$$1 + 1/2^2 + 1/3^3 + .. + 1/n^n$$

Output:

Input the value for nth term: 5

$$1/1^1 = 1$$

$$1/2^2 = 0.25$$

$$1/3^3 = 0.037037$$

$$1/4^4 = 0.00390625$$

$$1/5^5 = 0.00032$$

The sum of the above series is: 1.29126