# Task 1

Write a program that contains 3 threads. Each thread increments the global variable and then adds that value to the result which is another global variable. Initialize result and other variable with 0. Output the final value of result and the other global variable.

# Task 2

Given an input string. Find the number of a characters in the given string using pthreads.

Input: string = "mansjrwowkf"

# Task 3

Write a C/C++ program where you need to initialize a local array of integers of size 10 in the main (). You need to calculate the multiplication and summation of a complete array using multi-threading. The main thread will display the result of both multiplication and addition of all array elements.

Note: You have to pass array as input argument to all threads.

Thread functions must return the summation and multiplication result to the main thread where main () thread will display both results. Sample output will be as follows.

// Sample initialized array is as follows

int arr[10] = {1, 2, 3, 1, 2, 3, 4, 5, 4, 3};

Sample Output:

Sum: 28

Product: 8640

# Task 3

Make a program using multi-threading such that it takes length and width of a rectangle as an input from user in the main () and compute its Area and Perimeter. You have to pass only one argument as an input which can contain information of both length and width, this can be done using arrays or structure. You can create 2 threads: one for Area and other for Perimeter.