CS 213: Advanced Programming (3+1): BSCS 6AB Fall 2018

Assignment 2: Multithreaded Application	
CLO: Understand and apply various code management tools and techniques	
Maximum Marks: 50	Instructor: Abid Rauf
Announcement Date: 28th September 2018	Due Date: 1st October 2018 11:55 pm on LMS

Instructions:

- Upload a zip file containing your code folder and results.
- The assignment is Individual

Tasks:

You need to develop application using threads in Java. Read a long file (> 500,000 characters ASCII) and develop a frequency distribution of characters. You may use any design pattern if you feel comfortable.

Compare your results when the same program is run without Threading. Show your results in a table clearly mentioning the running time.

Clearly show the results in the below two tables.

Characters	Frequency count
A	
B	
C	
@	
#	

File Size (Bytes)	Time (ms) Without Threading	Time (ms) With Threading