

4DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/06/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4 th Sem & 'A' Sec	USN:	4AL18CS045
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Java Multithreading Become A Master		
Certificate Provider	Udemy	Duration	1 Hour
Coding Challenges			
Problem Statement: 1. Java Program that compares counting words in files using an Array List and a Map.			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF	
Uploaded the report in slack		Yes	

Online Test Details: Today test was not conducted.

Certification Course Details: Today I started another course that is “Java Multithreading Become A Master ” and i had completed it. This was about 1 hour of Duration. I uploaded this course certificate in the folder named “Completed course certificates”.

In additional to this some other online courses I had completed, as a proof of it, I uploaded the Certificates in other folder named “Completed course certificates.”

Snapshot:

The screenshot shows a web browser displaying a Udemy course page. The browser's address bar shows the URL: www.udemy.com/course/easy-java-multithreading-become-a-master/learn/lecture/14452614#overview. The page features a video player with a paused video of a Java code editor. A subtitle at the bottom of the video reads: "Well sorry we need to wait till we've processed at least one other chunk." To the right of the video is a 'Course content' sidebar listing 11 topics, each with a duration and a 'Resources' link. Below the video player are tabs for 'Overview', 'Q&A', 'Notes', and 'Announcements'. The 'About this course' section states: "Learn all about multithreading in Java everything from mutexes, semaphores to threadpools." At the bottom, it lists 'By the numbers', 'Skill level: Intermediate Level', and 'Lectures: 11'.

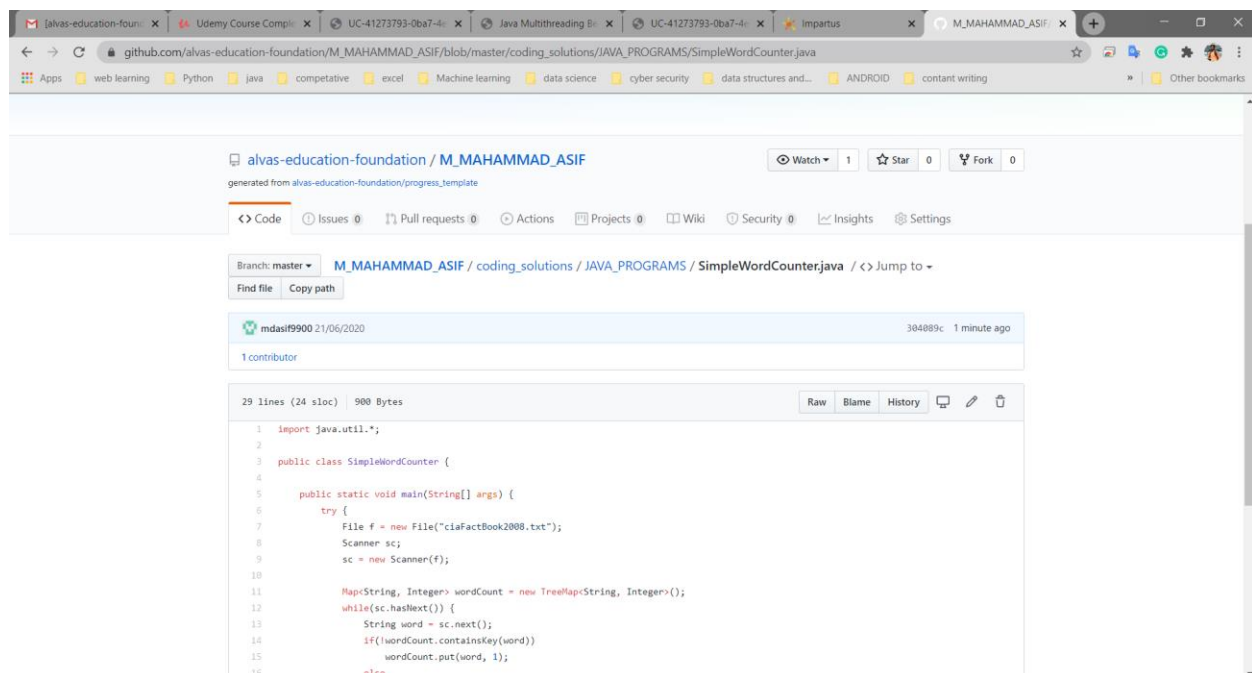
Topic	Duration	Resources
2. What is multithreading?	4min	
3. Creating Threads In Java	4min	Resources
4. What are mutexes?	3min	
5. Programming Mutexes In Java	14min	Resources
6. What are semaphores?	2min	
7. Creating Semaphores In Java	7min	Resources
8. Atomic Variables	1min	
9. Programming Atomic Variables In Java	4min	Resources
10. Understanding Thread Pools	2min	
11. Creating your own thread pool in Java	5min	Resources

Above is the Snapshot of today's certification course.

Coding Challenges Details: Today I completed yesterday's given java problem which was given by Prof Vasudev. I had solved the problem and uploaded the code in GitHub. The problem statement was:

1. Java Program that compares counting words in files using an Array List and a Map.

Snapshot:



The screenshot shows a web browser displaying a GitHub repository page for the user M_MAHAMMAD_ASIF. The repository is named 'alvas-education-foundation' and the specific file being viewed is 'SimpleWordCounter.java' located in the 'coding_solutions/JAVA_PROGRAMS' directory. The page shows the file's commit history, with the most recent commit by 'mdasi9900' dated 21/06/2020. The code is displayed in a light blue editor with line numbers from 1 to 16. The code imports 'java.util.*', defines a 'SimpleWordCounter' class, and implements a 'main' method that reads a file 'ciaFactBook2008.txt', scans its contents, and uses a 'TreeMap' to count the frequency of each word.

```
1 import java.util.*;
2
3 public class SimpleWordCounter {
4
5     public static void main(String[] args) {
6         try {
7             File f = new File("ciaFactBook2008.txt");
8             Scanner sc = new Scanner(f);
9
10            Map<String, Integer> wordCount = new TreeMap<String, Integer>();
11
12            while(sc.hasNext()) {
13                String word = sc.next();
14                if(!wordCount.containsKey(word))
15                    wordCount.put(word, 1);
16            }
17        }
18    }
19 }
```