# California State University, Fresno

# DEPARTMENT OF COMPUTER SCIENCE

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| Class: | **Algorithms & Data Structures** | | | Semester: | **Fall 2021** |
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| Laboratory number: | **Lab 7** | | |
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**1. Statement of Objectives**

In this lab we will see how the hash table works. We will build a program to take file input and read through it and let hash tables store the data with keys. We will keep a watch on the number of elements in the array of hash table. Keep track of the number of array accesses that were required for the previous call to update and provide a method probe () that returns this value. Other rest of the lab procedure.

**2. Experimental Procedure**

In this lab we I have not been able to implement everything that was expected to execute but most of the work has been done. My compiler started malfunctioning, which is why I was not able to get the desired output and the online compiler do not accept files in the device. Therefore, I have put an image of program execution but there is no word count in it. The program does compile.

**3. Analysis**

A screenshot of a computer

Description automatically generated

**4. Encountered Problems**

Hash tables was a pretty hard topic to understand which is why the inconsistency in work.

**5. Conclusions**

**6. References**

List the references used in this report.