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**SRN**: PES2UG19CS451 **Section**: G

**Subject**: Algorithms for Intelligence Web and Information Retrieval

**Assignment 1**

1.Write a program to find word frequency in a given text file.

**Code:**

Text

Description automatically generated

**File:**

**Text

Description automatically generated**

**Output:**

Text

Description automatically generated

2. Write a program using array and linked list to - 

* Store words
* Insert new word
* Search for a given word and return its index position
* Access element in the first, last and a particular position
* Compare both the data structures and analyze which approach is efficient.

**Array:**

**Input:**

**Text

Description automatically generated**

**Output:**

**Text

Description automatically generated**

**Linked List:**

**Code:**

**Text

Description automatically generated**

**Text

Description automatically generated**

**Text

Description automatically generated**

**Output:**

**Text

Description automatically generated**