**IMPLEMENTATION OF ADVANCED DATA STRUCTURES AND ALGORITHMS**

**Assignment: SP0H**

**Group: G19**

**Group Members:**

Jayakarthigayan Sridharan

Sagarikha Srinivasan

SathyaNarayanan Srinivasan

Sahithireddy Andem

1. Removing Duplicates

Compile Time Instructions: javac RemoveDuplicates.java

Run Time Instructions: java RemoveDuplicates

1. Most Frequent Elements:

Compile Time Instructions: javac MostFrequentElement.java

Run Time Instructions: java MostFrequentElement

1. Comparison of hashing algorithms:

Compile time instructions: javac HashDriver.java

RunTime instructions: java HashDriver

Enter the size of values to hash: 10000

(Do provide the input file as “inputFile.txt”)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Hashing Technique | Values to Hash | Time taken |
| 1. | Normal hash | 10000 | 8ms |
| 2 | Cuckoo hash | 10000 | 2ms |