

**Project Report**

**Improvised searching Using Linked List**

**Group members:**

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**Data Structures Used:**

* Vector
* Linked List

**Main Problem:**

If there are many elements in the linked list then it will take a very long time for a single linked list to traverse it’s last element.

**How We Solved:**

` We all know that the time complexity of array[x] is O(1) so we created an array which holds all pointers of every new node which is inserted in it using a hash table so that we can access it using the basic functionality of array.

**Implementation:**

Creates Hash table in head of the Linked List.