ADS , LAB - 9

1BM18CS027
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* implementing functions of Dictionary using hashing.

=>//

```
class dictionary {
            node *head[Max];
            Public :
                    dictionary () {
                            for (int i=0; i<Max; i++) ~~[illegible]~~
                                    head[i] = NULL;
                    }

            int hashf ( String word );
            bool insert ( String , String );
            String find ( String word );
            bool deleteword ( String word );
};
// hash function -> Linear probing
int     dictionary :: hashf ( String word ).
for ( int i=0 ; i< word. length() ; i++ ).
  {
        ascii_sum = ascii sum + word [i];
  }
   return . ( ascii Sum % 100 );
 }
```

↑

// here we are using linear probing method to over come collision.

$f(K) = K \% Max. : (ascii Sum \% 100)$

// node.

```
class node {
        String Key, value;
        node * next;
        Public: ~~do~~
        friend class dictionary;
         node() {
                next =NULL;
         }
         node (String Key, string value).
         {
             this->Kay =Key;
             tha->value =value;
             next =NULL;
          }
};.
```