Rajalakshmi Engineering College

Name: Manoj kumaar R
Email: 240801194@rajalakshmi.edu.in
Roll no: 240801194
Phone: 7708648574
Branch: REC
Department: I ECE AF
Batch: 2028
Degree: B.E - ECE

Scan to verify results

NeoColab_REC_CS23231_DATA STRUCTURES

REC_DS using C_Week 7_COD_Question 4

Attempt : 1
Total Mark : 10
Marks Obtained : 10

Section 1 : Coding

1. Problem Statement

Develop a program using hashing to manage a fruit contest where each fruit is assigned a unique name and a corresponding score. The program should allow the organizer to input the number of fruits and their names with scores.

Then, it should enable them to check if a specific fruit, identified by its name, is part of the contest. If the fruit is registered, the program should display its score; otherwise, it should indicate that it is not included in the contest.

Input Format

The first line consists of an integer N, representing the number of fruits in the contest.

The following N lines contain a string K and an integer V, separated by a space, representing the name and score of each fruit in the contest.

The last line consists of a string T, representing the name of the fruit to search for.

Output Format

If T exists in the dictionary, print "Key "T" exists in the dictionary.".

If T does not exist in the dictionary, print "Key "T" does not exist in the dictionary.".

Refer to the sample outputs for the formatting specifications.

Sample Test Case

Input: 2
banana 2
apple 1
Banana

Output: Key "Banana" does not exist in the dictionary.

Answer

```
// You are using GCC
int keyExists(KeyValuePair* dictionary, int size, const char* key) {
for (int i = 0; i < size; i++) {
if (strcmp(dictionary[i].key, key) == 0) {
return 1;
}
}
return 0;
}
```

Status : Correct   **Marks : 10/10**