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SRI RAMACHANDRA ENGINEERING AND TECHNOLOGY

B. Tech. DEGREE
CONTINUOUS ASSESSMENT 4
OCT – 2020: I YEAR – QUARTER 1

CSE 110: Problem Solving – C Programming
(Common to B.Tech CSE - AI & ML, CyS & IoT, AI & DA, B.Tech - CS & MED Engg.,)

Time: 1 hour – 15 minutes   **Maximum Mark: 15**   **Date: 15/10/2020**

Problem Statement:

Implement the logic using C language and develop the code for the problem statement given below:

A Dictionary contains 50 words which has to be sorted alphabetically and an option to search the word and get the meaning of the word.

Description of task:

My task is to develop a limited words dictionary of 50 words with the option to search the dictionary to get the meaning of the word. I have used 2D array to store my words and meaning in rows and columns. I have used string function(strcmp) to search the word from data by comparing . So for every words searched it checks the data of each word to print the meaning. For the words which is not in the data the output will be Not found…

Program:

```
#include<stdio.h>

#include<stdlib.h>

#include<string.h>

int main()

{

        int i=0,count=0;

        char search[20];/*Search option*/
```

```c
char data[50][2][20]=/*2D array to store Words and Meaning*/

{

"Acumen",    "Awareness",

"Adhere",    "Comply",

"Abash"      ,           "Disconcert",

"Abound",    "Flourish",

"Abate",      "Moderate",

"Abject",     "Despicable",

"Abjure       ",      "Forsake",

"Accord",    "Agreement",

"Bleak",      "Grim",

"Batty",       "Insane",

"Benevolent","Generous",

"Callous",    "Unfeeling",

"Chaste",     "Pure",

"Conspicuous","Obvious",

"Denounce",  "Blame",

"Eccentric","Strange",
```

"Ecstasy",   "Delight",

"Encumbrance","Obstacle",

"Feeble",   "Weak",

"Feud",   "Quarrel",

"Frivolous","Worthless",

"Gloom",   "Darkness",

"Grisly",   "Disgusting",

"Hideous",   "Shocking",

"Hipocricy","Deception",

"Inevitable","Unavoidable",

"Intricate","Complicated",

"Jaded",   "Tired",

"Juvenile",   "Young",

"Lavish",   "Abundant",

"Linger",   "Prolong",

"Luscious",   "Delicious",

"Malice",   "Grudge",

"Nimble",   "Brisk",

```
"Nonchalant","Indifferent",

"Obstinate","Stubborn",

"Ominous",  "Foreboarding",

"Oracular",  "Vague",

"Outrage","  Offence",

"Placid",      "Calm",

"Perturbed","Anxious",

"Quaint",     "Strange",

"Ruthless",   "Inhumane",

"Ravage",     "Destroy",

"Ratify",      "Approve",

"Shrewd",    "Cunning",

"Timid",      "Coward",

"Subvert",    "Demolish",

"Taboo",      "Ban",

"Winsome",  "Beautiful",};
printf("\t*50-50*\n\tDictionary\n(Note: It is case sensitive..)");

printf("\n------------------------------\n");
```

```c
printf("\nSearch(Type first letter in Caps):");/*Search Tab*/

scanf("%s",&search);

for(i=0;i<50;i++)

{

        if(strcmp(search,data[i][0])==0)/*To check if the entered string is in the array strcmp() is used
it should be 0 if equal and 1 if not */

        {

                printf("Meaning : %s\n:)",data[i][1]);

        }

        else

        count++;/*incrementing the counter value to satisfy next if statement*/

        if(count==50)/*False statement when the entered string is not present in the array*/

        printf("Not Found:(\nMore words adding soon...");

}

return 0;

}
```

Output: