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**Computer Science Department**

**COMP133 ( Spring 2020 )**

**Assign # 5 Due Date: Thursday 14/5/2020 by 10:00 pm ( on Ritaj )**

***Notes:***

1. ***The assignment should be submitted by the due date and time ( Late Assignments will not be accepted for any reason ) on Ritaj.***
2. ***The assignments are individual effort and copying the assignment will be treated as a cheating attempt, which may lead to FAILING the course.***

Write a C program that reads an ***unspecified*** number of words (strings) from a file called ***dictionary.txt*** ( **up to a maximum of 100 word** ) and stores those words in an array called ***dict*** ( two dimensional array of characters). Your program should then ask the user to enter any sentence and then check the words of the sentence against the words in the array ***dict*** to decide which words are known (exist in the dictionary ) and which are unknown (do not exist in the dictionary). You can simply create an array of strings (two dim. array of chars) called ***known*** and an array called ***unknown*** and then print them.

**Example of a Sample Run :**

**Assume the file dictionary.txt has the following words (you can put each on a separate line if you like):**

**are the hi a good bad nice bye this not very it hello bye**

***and then we run the program:***

Enter any sentence:

**this is a nice sentence I like it very much**

known words in your sentence are:

this a nice it very

unknown words in your sentence are:

is sentence I like much

***VERY IMPORTANT:***

1. Turn in your assignment by ***replying to the course coordinator’s message*** on Ritaj and attaching your code file (***main.c***). You ***should NOT*** include the file ***dictionary.txt***.
2. ***DO NOT SEND a MESSAGE To YOUR INSTRUCTOR WITH YOUR ASSIGNMENT. DOING so will RESULT in RECEIVING a GRADE of ZERO for the assignment even if YOU TURN it in by the due date and time.***
3. You must include your full name, student id number, and ***lab section number*** in a comment at the beginning of your ***main.c*** code file.