

CS221-Data Structures
Assignment 4
Deadline: 29th October 2022, 11:59 PM
Group size maximum 2 students

In this assignment, you have to make a program which takes a 2D array of characters as input and searches for all the possible word in the 2D array. For example, given following input the highlighted words can be extracted

```
dogxbxxxnoon
rhellotherex
okciugbrownm
wxwge1xhjij
oozokvuxdrow
rlxdrxextja
drowblonkgod
```

However, the words extracted should not only be the words appearing horizontally and vertically, but also backwards, vertically backwards, diagonally, and diagonally backward

After extracting the word save them in a file with the starting and ending position of its occurrence, for example if you find “god” the file should contain

god (7,10) (7,12)

(Hint: You will need a separate file which would help in searching the words from the 2D array)

Submission guidelines:

- Please email your assignment at CS221fall2022@gmail.com
- Email subject must be, CS221-A4-RegNo.1-RegNo.2. For example CS221-A4-2021234-2021333
- Your submission file must also be named CS221-A4-RegNo.1-RegNo.2. For example CS221-A4-2021234-2021333