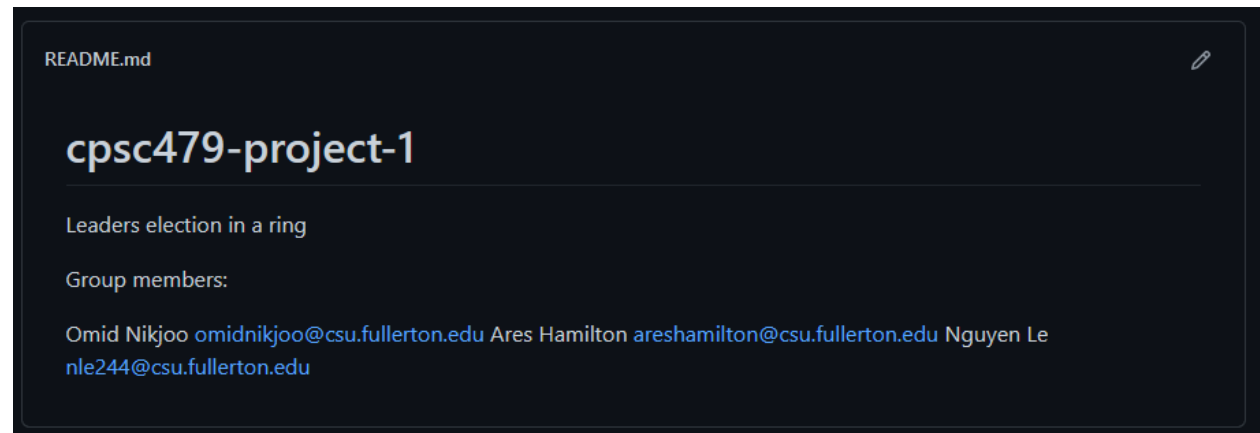


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Running the project

- Compile: `gcc compare.c -fopenmp -std=c99`
- Running: `./a.out`

Screenshots:

The screenshot displays a Visual Studio Code environment with a C program for training and testing a neural network. The Explorer pane on the left shows the project structure, including files like 'main.c', 'compare.c', and 'test.c'. The main.c file is open in the editor, showing code for reading CSV files, calculating predictions, and comparing results. The Output pane at the bottom shows the execution results, including the similarity scores for various models and datasets.

```

PROBLEMS ② OUTPUT DEBUG CONSOLE TERMINAL PORTS
Thread 2: Average rating of 'Majo no Tabitabi': 6.840197
Thread 2: Average rating of 'Yuukoku no Moriarty': 6.840197
Thread 2: Average rating of 'Mahouka Koukou no Rettousei: Raihousha-hen': 6.840197
Thread 2: Average rating of 'Munou na Nana': 6.840197
Thread 2: Average rating of 'Noblesse': 6.840197
Thread 2: Average rating of 'Higurashi no Naku Koro ni Gou': 6.840197
Thread 2: Average rating of '100-man no Inochi no Ue ni Ore wa Tatteiru': 6.840197
Thread 2: Average rating of 'Kimi to Boku no Saigo no Senjou Aruiwa Sekai ga Hajimaru Seisen': 6.840197
Thread 2: Average rating of 'Kamisama ni Natta Hi': 6.840197
Thread 2: Average rating of 'Maoujou de Oyasumi': 6.840197
Thread 3: Average rating of 'Yakusoku no Neverland 2nd Season': 6.840197
Thread 3: Average rating of 'Tensei Shitara Slime Datta Ken 2nd Season': 6.840197
Thread 3: Average rating of 'Re:Zero kara Hajimeru Isekai Seikatsu 2nd Season Part 2': 6.840197
Thread 3: Average rating of 'Wonder Egg Priority': 6.840197
Thread 3: Average rating of 'S-toubun no Hanayome ff': 6.840197
Thread 3: Average rating of 'Kaifuku Jutsushi no Yarinaoshi': 6.840197
Thread 3: Average rating of 'SKel': 6.840197
Thread 3: Average rating of 'Beastars 2nd Season': 6.840197
Number of failed predictions: 0
Elapsed time in seconds: 15.180000
[nle244@titanv1 Project]$

```

### Pseudo Code:

```
#get_links.py
#generates show links for each broadcast season.
#one broadcast season consists of a season and year eg: spring 2021

seasons = winter, 'spring, summer, fall
FOR year 2012 to 2021
    FOR season in seasons
        READ show links for each year and season permutation
        WRITE links to csv file
```

```
#get_info.py
#scrapes show info for all show links generated from get_links.py

READ csv file

FOR every link
    INSPECT html code
    READ title
    READ score
    READ studio
    READ source material
    READ genre
    READ themes
    READ demographic
    READ actors

    APPEND title to result
    APPEND score to result
    REMOVE stop words from title
    REMOVE punctuation from title and actors
    APPEND studio, source material, genre, themes, demographic, actors, and
title to result
    WRITE result to CSV

#compare.c
#CSV file from #get_info.py will be divided into test.csv and train.csv
#compares each show in test.csv with all shows in train.csv. If compare
value meets threshold then add to prediction

READ test.csv
READ train.csv

FOR each show in test.csv
    FOR each show in train.csv
        COMPARE test show and train show
        IF COMPARE value > threshold
            ADD train show's rating to test show's prediction sum
            COUNT how many matches

FOR each test show
    IF test show's matches > 0
```

```
test show prediction = prediction sum / matches  
ELSE  
test show prediction = -1  
WRITE prediction to predictions.csv
```