Hello Japan!

Target:

Revisit:

- File operations in python.
- Error handling.
- Problem solving skills.

Resources:

1) Your beautiful notes.
2) Corey Schafar [File operations]
3) Corey Schafar [Error handling]
4) Google!

Project II:

Build a program that creates a sudoku game from the beginning depending on the difficulty. The program must contain 2 major files.

- First file is called sudoku.py:

  In this file you must get the difficulty of the sudoku game from the user like: (easy – medium – hard – extreme), then creates the sudoku board.

  You have to store the board in a text file using the second file and print its directory in the terminal.

  After that the user starts solving the game in the same text file. As soon as he finishes, he saves the file.

  Then, you should check the user's solution and print whether it is right or not. Print the time is taken to complete the game, too.

  Finally ask the user if he wants the solution or not. If yes, print the directory of the solution file.

- Second file is called file_operations.py:

  In this file you should store the sudoku board (from the first file) in a text file called sudoku_game.txt. The text file must be look like this.

  You should read the same text file after the user solves the game and saves the file.

  You should create a file called solution.txt with the solution depending on the desire of the user. The file must be look like this.

  It's guaranteed that there is no error handling in the files.

- **Bounce:** Your game must have one unique solution.

Notes:

- **HANDLE ANY POSSIBLE ERRORS.**
- You are free to use build in functions.
- It's recommended to use comments and docstrings.
- You are free to import ONLY TWO external library and use ONLY ONE function from EACH. #Choose wisely as a team.

Evaluation:

Project I: 20 points.

Deadline:

By the offline meeting.