Assignment

Task 1

## Problem Statement

Process the csv and store it in mysql database.

Dataset link: [data](https://drive.google.com/file/d/1EHOEilpF4yCBnfCW9Oc1y_ECz65KLQLJ/view?usp=sharing)

## Details:

1. Read the csv into pandas
2. Rename the columns as
   1. Date -> date
   2. High Price -> high
   3. Low Price -> low
   4. Total Trade -> trade
   5. Turnover (in lacs) -> turnover\_in\_lakhs
   6. No. of Contracts -> contracts
3. Add a new column names “difference”
   1. Difference for each row will be [high - low]
4. Save the data into file named “processed\_data.csv”
5. Upload the processed\_data.csv into mysql database with following credentials:-
   1. Database name : python\_fin\_test
   2. Password: 111PythonFinTest###
   3. Table name: processed\_data
6. Make a correlation matrix using processed\_data.csv by referring to the following link:-
   1. <https://www.geeksforgeeks.org/how-to-create-a-seaborn-correlation-heatmap-in-python/>

## Evaluation Parameters:

1. The extent of completion of the tasks.
2. Use of comments.
3. Readability and Understandability of code.
4. Time is taken to complete the task.

## Time Duration

* The maximum time to complete the Assignment after acceptance is 7 days, your chances of acceptance increase if you submit in less time.
* In case of any issue please reach out to us.

## Submission

* You are required to submit the Assignment in the github repository according to following details:-
  1. Name of repository should be : <YOUR NAME>\_python\_assign\_rpd
  2. Upload all the file in the repository along with a readme.md file with the instructions to follow in order to execute the scripts
* Submit the Assignment to Submission Form:

<https://forms.gle/BbuKDN8T8PgwmmAY7>

NOTE:

1. In case of any query regarding Assignment mail us at ‘[revedorindia@gmail.com](mailto:revedorindia@gmail.com)’ with the title format:” <Your Name> Python Assignment Query “
2. You will be contacted within 1 week of submission of the assignment if you are selected, please don’t write to us regarding the result.