

## Assignment 3B - Python Programming

**Due: 5<sup>th</sup> June, 2022, 11:55 PM**

### Important Notes:

- This assignment is individual submission.
- Total Marks: 50
- All script submissions should be done as per instructions.
- Inputs/output should fit the criteria mentioned in respective question.
- All other conditions are open to your interpretations.
- Evaluation will be conducted based on a fixed grading rubric (syntax, logic, input and output) and the marks are divided as per prescribed weightage in respective questions.
- For queries, reach out to TAs via Moodle.

### Setup

1. Create a Folder (Name of folder is your **<Roll Number>**)
2. Place 5 Comma Separate files inside the folder. Name, these files as below

**<Your Roll Number>-<Date 20-05-2022>.csv**

**<Your Roll Number>-<Date 21-05-2022>.csv**

**<Your Roll Number>-<Date 22-05-2022>.csv**

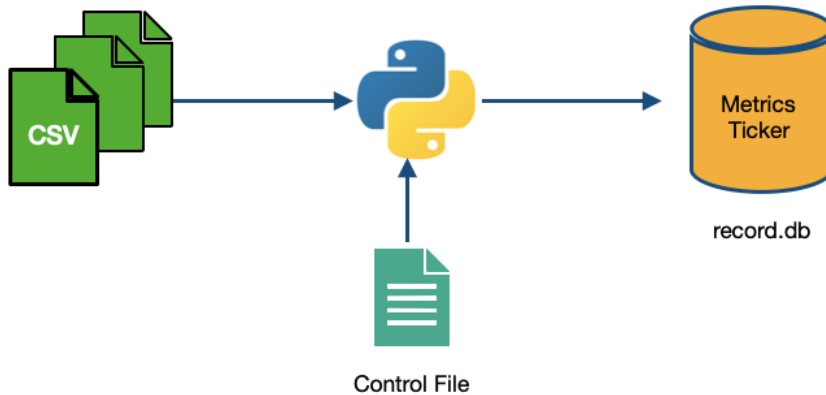
**<Your Roll Number>-<Date 23-05-2022>.csv**

**<Your Roll Number>-<Date 24-05-2022>.csv**

Note: Please copy each **<date-sheet>** tab in Excel, and keep them separately as mentioned above

3. Create another Folder. Name it as **Control**.
4. Inside the Control folder, create file and name it as **control-table.csv**. Schema and details are mentioned in tab: **Control Table** of excel sheet.
5. One should be able to modify control data in **control-table.csv**. Code should be executed as per new controls. Assume, text verbiage is fixed, just numbers can be changed.
6. Create a database **Record**.
7. Create two tables in database - Record. Name them **Ticker & Metrics**.
8. The schema of the tables and associated instructions are mentioned in tab: **Table – Metrics** and **Table - Ticker** of excel sheet.
9. Finally, code will be executed on new data set for verification.

## Design



## Marks Distribution

1. Read data records from csv files and insert them in database tables **(5 Marks)**
2. Apply controls on data - records and insert transformed data correctly in Table: [Ticker](#) **(25 Marks)**
3. Use Table: [Ticker](#) and insert data as per instructions in Table: [Metrics](#) **(10 Marks)**
4. Follow pep8 standards **(5 Marks)**
5. Document code appropriately **(5 Marks)**

## Submission

