Task(SQL)

To create a Data Extraction system - Technology Requirements-

1.Python Pandas and Numpy(optional) .

2.Mysql should be used as database.

Features-

1.Read data from csv using pandas - file named "data.csv" with colomns - [data_id(int),Subject_id(int),value1(int),value2(int)] Also read another csv file named "subject.csv" with colomns - [Subject_id(int),Subject_name(string)]

2.Tranform the value2 colomn data of data.csv file by making square of values.

3.Save the data tranformed data in Mysql for both the files .

4.Showcase relationship between data.csv and subject.csv file into third file named result.csv as subject_id colomn is common between both the file and save result.csv into database.

To submit your assignment create a public github repository and share the repository url with us .

Above is the task given from your side.

- ## Tech Stack Used:
  - Python (Jupyter Notebook, Numpy, Pandas)
  - SQL (MySQL)
  - Git

- ## Description:
  - I have used Jupyter Notebook for Python, where I have used Numpy and Pandas libraries.
  - Read two csv datasets i.e data.csv and subject.csv using pandas library.
  - Modified the value2 column of data.csv to its power and then imported that modified data in csv file.
  - To form a relation between both the datasets I have used left join on basis of subject_id column of both datasets.
  - The output is the result which we want as our output.
  - Data.csv, subject.csv and result.csv are then imported in MySQL(SQL) as we are using it as our database.