Employee Hiring Dataset Analysis

Introduction

The project is designed to data visualization through drawing a map/ graph for employee hiring data month wise. We have 12 - month csv data. We must complete 3 milestones. Job offering data with job hiring data every month job filled data. Click here to check the 3 milestones graphs.

Download Dataset:

Please click here to download the dataset.

Technologies used: Python, MySQL, Pandas, Matplotlib

Project Modules:

Setup and installation

Job filled and not filled ratio

Duration taken between sourcing start to job role filled

Job offered but not filled every month

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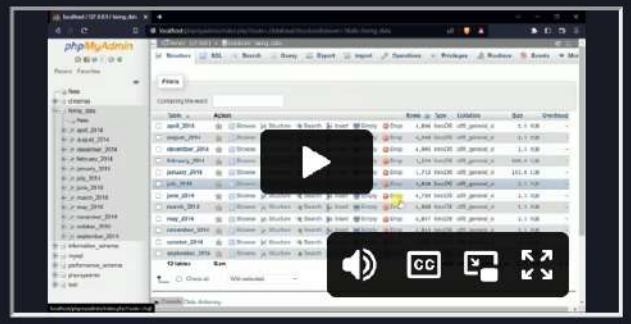
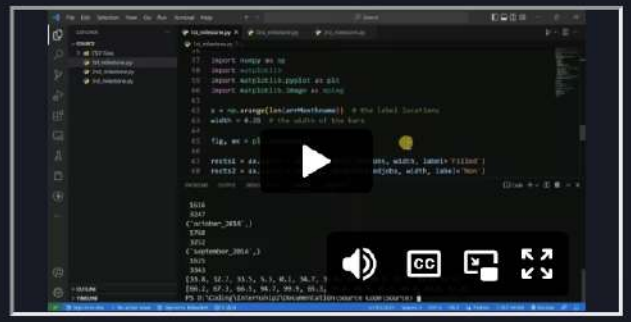
Job Filled & Not Filled Ratio

This module makes use of mysqlconnector and **Pandas** and **Matplotlib** to analyse the jobs data for each table containing months data in the database and then calculate the ratio of jobs that were filled against the jobs that were not filled.



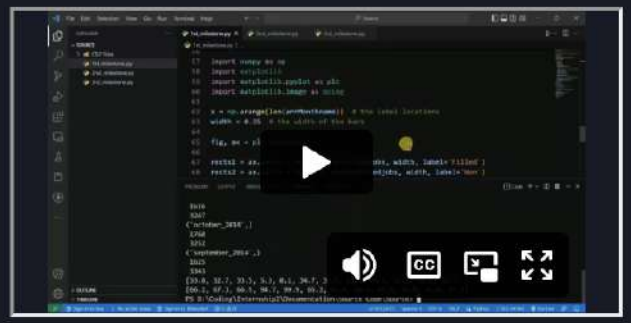
Development of the Script

Complete guide to fetch all the necessary data from the database and filter it by the given condition and plot a graph of jobs that were filed against the jobs that were not filled.



Development of the Script

Complete guide to fetch all the necessary data from the database and filter it by the given condition and plot a graph of jobs that were filed against the jobs that were not filled.



How to finish the current Task?

To finish the task, enter the database information in the "**db.py**" file and press Ctrl+S to save it. Next, create a connection to load the data in the "**settings.py**" file so that you can continue and save the task.

you must write the required code within the predefined function named ***"plot_arrfilled_arrnonfilled()"*** located in the ***"task1_1.py"*** file. After completing the code, confirm that the task has been completed successfully by clicking the "Run Test" button.

To verify the output of your code, select the ***"Terminal"*** tab and click the ***"Run Project"*** button.

Ok

Click here

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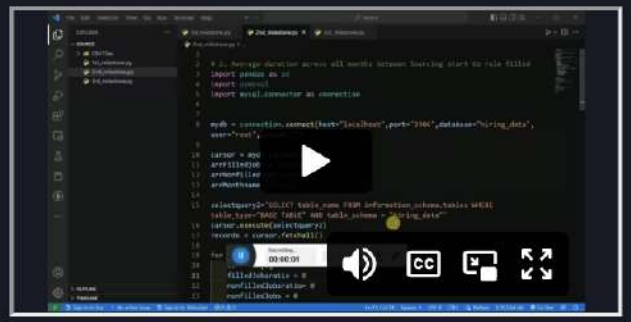
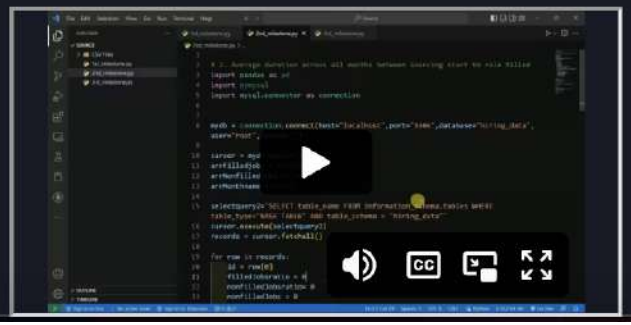
Difference Between Source Starting and Filling

This module makes use of MySQL connector, **Pandas** and **Matplotlib** to analyse the jobs data for each table containing months data in the database and then calculated the average numbers of days that passed between a job position being offered and the position getting filled for each month and make a graph for it.



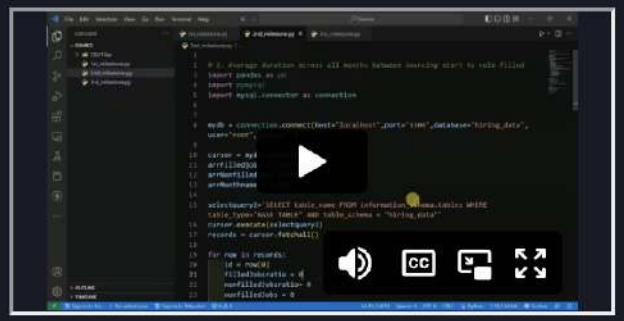
Development of the Script

Complete guide to fetch all the necessary data from the database and filter it by the given condition and plot a graph of average days that pass between the offer and the position being filled.



Development of the Script

Complete guide to fetch all the necessary data from the database and filter it by the given condition and plot a graph of average days that pass between the offer and the position being filled.



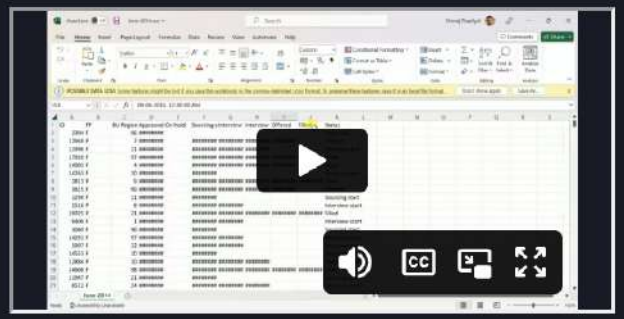
How to finish the current Task?

To finish this task, you must write the required code within the predefined function named ***"plot_filled_jobs()"*** in the***"task2_1.py"*** **file** which returns the data which contains the array of filled jobs and plot a graph of average days that pass between the offer and the position being filled. After completing the code, confirm that the task has been completed successfully by clicking the **"Run Test"** button. To verify the output of your code, select the ***"Terminal"*** tab and click the ***"Run Project"*** button.

Ok

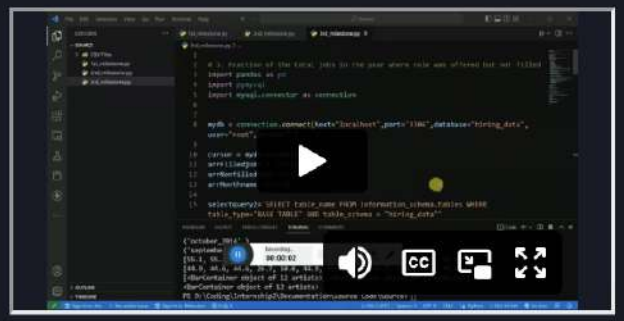
Positions Offered But Not Filled

This module makes use of mysqlconnector and pandas and matplot-lib to analyse the jobs data for each table containing months data in the database and then calculate the number of positions that were offered but not filled by the candidate.



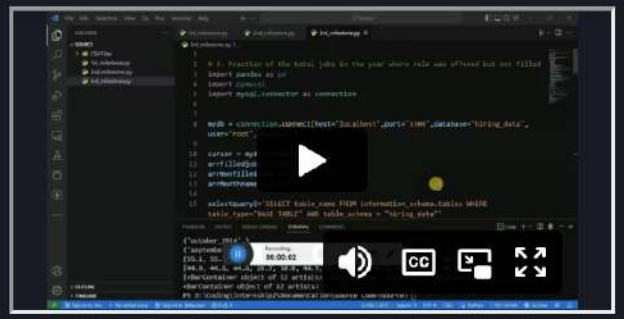
Development of the Script

Complete guide to fetch all the necessary data from the database and filter it by the given condition and plot a graph of the job positions that were offered and the positions that were not filled.



Development of the Script

Complete guide to fetch all the necessary data from the database and filter it by the given condition and plot a graph of the job positions that were offered and the positions that were not filled.



How to finish the current Task?

To finish this task, you must write the required code within the predefined function named ***"plot_non_filled_and_offered_jobs()"*** in the***"task3_1.py"*** **file** which returns the data which contains the array of non filled jobs and offered jobs and plot a graph. After completing the code, confirm that the task has been completed successfully by clicking the **"Run Test**" button. To verify the output of your code, select the ***"Terminal"*** tab and click the ***"Run Project"*** button.

Ok