Assignment 5.4 Submitted by Ali Nasir(2023-KHI-DEG-032) & Saif ur Rehman(2023-KHI-DEG-007):

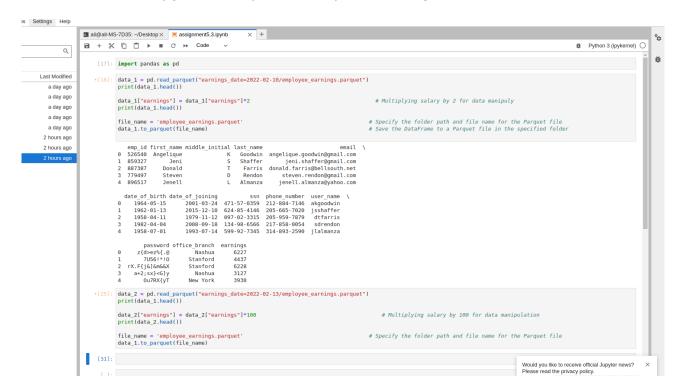
Use data from today's Daily Activities tasks/5_data_pipelines/day_4_data_lake/data/output_data/employee_earnings

Using the data manipulation tool of your choice (eg. Python) simulate the earnings predictions for 2 more days. Load it to the Data Lake that you've created today (Task 1-2). Rerun queries from Task 3 and Task 4 and see how the results change with this new data. Create a new query in Athena that calculates the % change in earnings for every employee from a given day compared to the previous day.

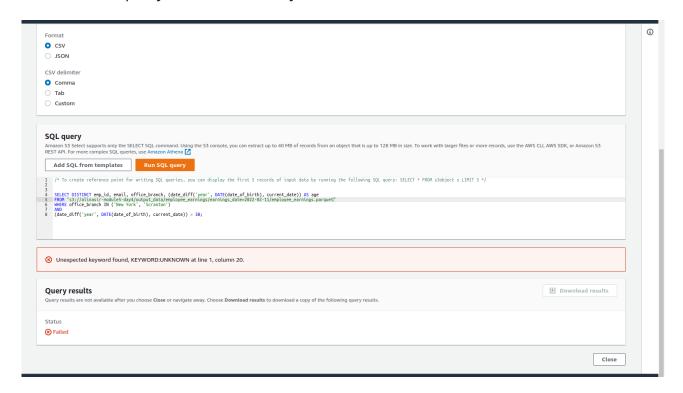
Solution:

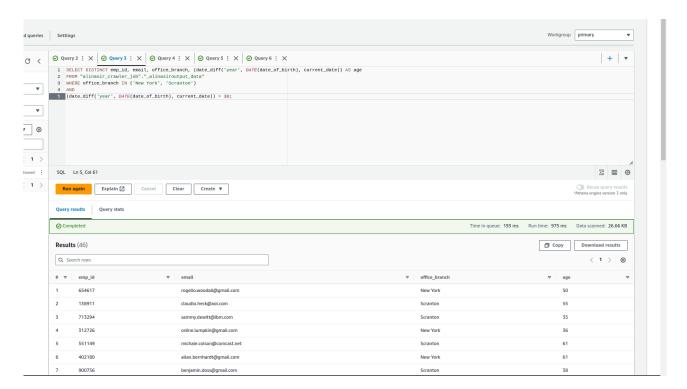
Daily task:

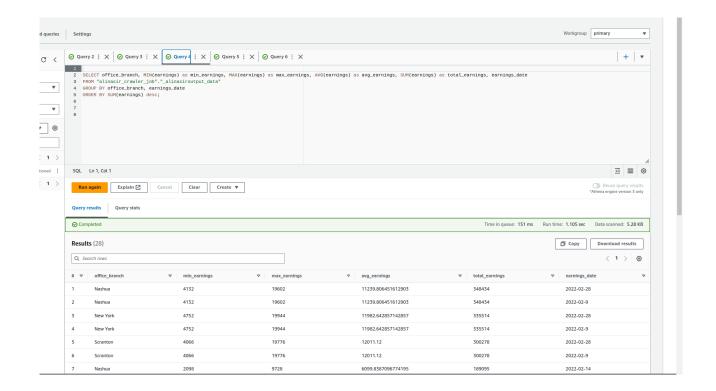
Here is the python script to manipulate the give data salaries.

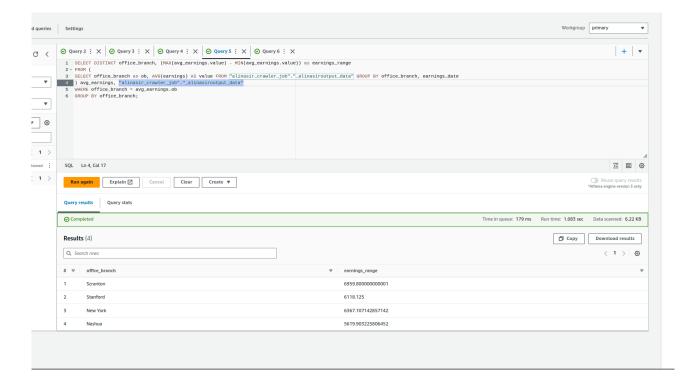


• Now we have tried to implement the complex query on the new dataset it is showing me the error because it can not run complex query. Where as these query are successfully run in the athena.









• The final task that we want to perform was to write the query to calculate the change of percentage.

