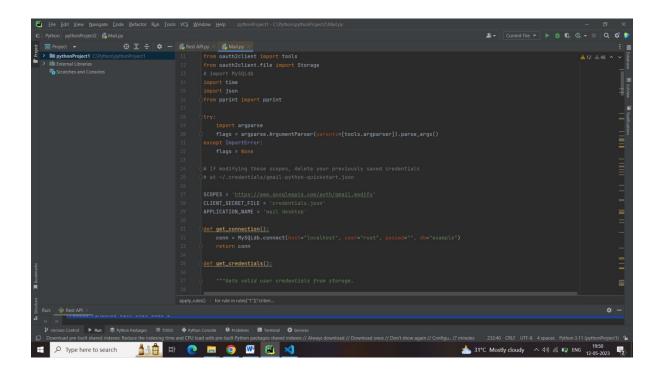
Write a standalone Python script that integrates with GMail API and performs some rule based operations on emails.

Summary of the project:

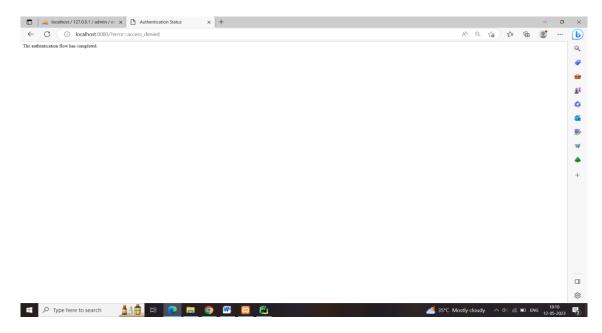
STEP 1. AUTHENTICATING GOOGLE'S GMAIL API

To authenticate my Gmail account with the Gmail API, follow the steps provided by Google to get an OAuth token. Use the official Gmail Python client library to interact with the Gmail API.

I Create a new folder to give the name Mail.py. This folder contains a code for authenticating to Google's Gmail API. In 10 th line adding scopes to complete the authentication process.



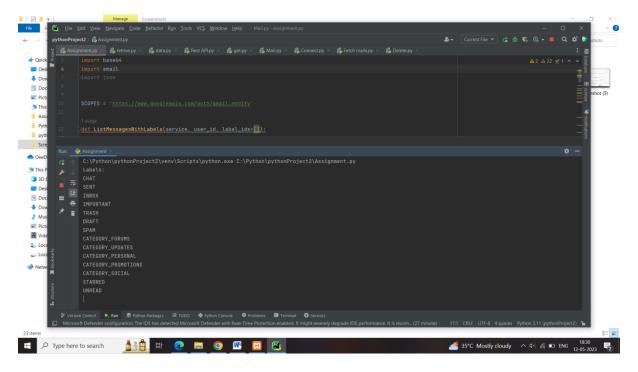
STEP 2:OUTPUT OF AUTHENTICATION PROCESS



The authentication has completed.

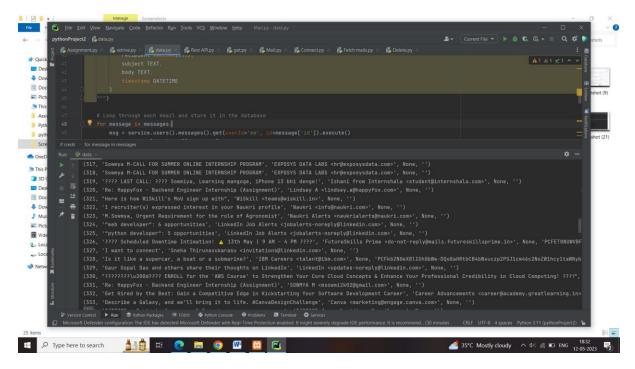
STEP 3. LIST OF MAILS:

In the next step, I have a list of emails from my Gmail inbox, I need to set up a relational database system to store these emails. Next, Select a database system (such as SQL) and create a table to store my emails. Make sure to include all relevant data from the emails (such as the sender, subject, and time stamp).



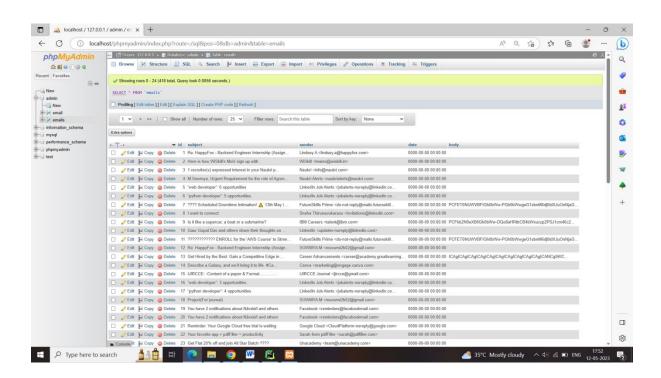
STEP 4. STORING EMAIL IN THE DATABASE:

To store emails in my database, use SQL queries to insert, update, or delete emails from the database table. Ensure that all relevant data from the emails are stored in the database along with the emails themselves.



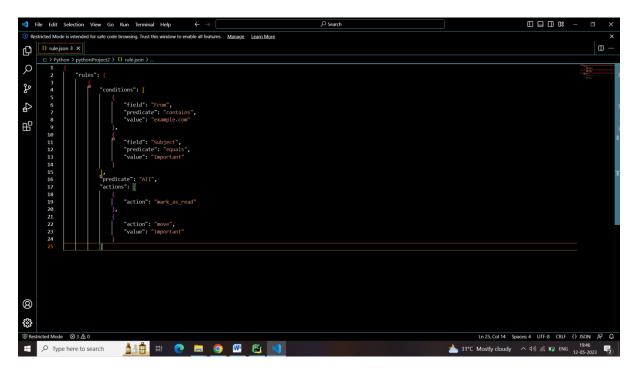
This code retrieve data from Gmail using a python script to connect MySQL

STEP:CONNECT MAILS IN SQL:



STEP 6. PROCESSING EMAILS:

Process each email in the database based on the set of rules defined in the JSON file.



STEP 7.IMPLEMENT REST API:

After processing emails using the rules engine, implement REST API endpoints that allow the user to take additional actions on the emails via an external interface. These might include endpoints for filtering emails by user-defined criteria, marking emails as read or unread, or sending emails to a different email client.

