**Problem Statement**

**To Stimulate the Banking Transactions of Bank Customers like withdrawal, Deposit and Email confirmation of Transaction**

**Details:**

* Account Balance information needed to be periodically updated and incorporated to users upon request.
* Once the Request is received, current user account data has to be manually fetched, provided he is a registered user, and to be processed and send back as an email information.
* Lot of human efforts and time are required to authenticate the user, download the data, and process it and to respond back to the user with the needed information.
* Intension is to start fetching specific user account data for registered users, processing it and sending email response for each request instantly as request mails are received.

Python Module:

**Design Approach**

* Simulate an email trigger from the user end with specific subject line.
* Script to match an email with a particular subject name or sender and initiate user verification.
* Script to download specific user data from server and to process it.
* Script to send the processed information to the user as an email.
* The triggered e-mail should have a particular subject line. The script matches the subject.
* The e-mail id is verified in the database to check whether it is a registered user. (Used excel data file)
* If any unregistered user tries to access the data, the system will pop out a mail depicting he is not registered in their data system.
* Script reads the customer ID corresponds to the email ID registered in DB (excel).