Ruolan Shen
USCID: 1781411755

For first query, load.py: first filter the csv, only save the customers who are senior citizen, then covert it as json object, input key as 1,2,3… and sends only one request (the put request) to upload json in specific location.

Second query, only needs one request (http requests.get) with orderBy Churn combine with equalTo Churn = Yes to filter customers who has churned, and used limitedTo to limit to top k customers, then filter k customers by customerID

Third query, only needs one requests(http requests.get) with orderBy tenure combine with startAt k value to get customers who have used service for at least k months, then count the length of the return output.