HW1 Explanation

Graphical user interface, text, application

Description automatically generatedIn Task 1, after reading the csv file using Pandas and filtering out non-seniors, I sent one PUT request to upload the data to Firebase, as shown in the screenshot below. It was the only request used, thus meeting the requirement.

Graphical user interface, text, application

Description automatically generatedIn Task 2, I first generated the URL with the orderBy, equalTo, and limitToFirst parameters that satisfied the requirement. With this URL, I sent one GET request to Firebase and obtained one response, which was saved as “response,” as shown in the screenshot below. Together, this GET request and response constituted the only round trip to the Firebase server.

Graphical user interface, text, application, email

Description automatically generatedIn Task 3, I first generated the URL with the orderBy and startAt parameters that satisfied the requirement. With this URL, I sent one GET request to Firebase and obtain one response, which as saved as “response,” as shown in the screenshot below. Like the script in Task 2, there was only one round trip of GET request and response to the Firebase server.

As a result, all the queries met the requirement of containing only one request and one response.