RI CEP Year 2 - Midterm Project (25 marks)	**Due Date: 24 Aug, 2017 at 23:59**

In class, we created api_server.py, which took requests and gave responses. Specifically, when it received a GET request, it would generate a new key and send the key in a response; and when it received a POST request, it would check to see if a valid API key was passed, and if so, it would respond with JSON data.

Your job is to add the following features to api_server.py:

- At least 2 authorisation levels (e.g. admins and users). **[5 marks]**

- A table (separate from keys) named data that stores the API data **[5 marks]**

- A data uploading feature that lets clients send new data via a HTTP POST request. The server should then INSERT this new data into the data table.

  Note: your server code should be able to handle both:
     a. POST requests that want the API data in response
     b. POST requests that want to add data to the API data table)
  In addition, provide simple instructions for users to explain how they can upload data (you can assume you're providing instructions to a fellow programmer, and can add instructions in comments).

  [12 marks]

- Only admins should be able to upload new data. Non-admins that try to upload data should receive a 403 error message. **[3 marks]**

Submit your api_server.py file via direct message in Slack. Please name it using the following convention:

        <lastname> <firstname> api_server.py

        E.g. "Gonsalves Mike api_server.py"