Sanoma Media Finland Oy – Data Team – Technical Assignment

In this task you'll be developing a personal information register API. This API will allow the users to view, update and delete a person's personal data. You are provided with a random dataset with the following fields in JSON format:
- id (ID of the person)
- first_name (First name of the person)
- last_name (Last name of the person)
- email (Email address of the person)
- gender (Gender of the person)
- ip_address (IP Address v4 of person's device)
- country_code (Country code of the person)

The file name is **data.json**

Tasks:
1. Ingest the data into a SQL database of your choice with the above mentioned schema. Keep the 'id' field as the primary key.
2. Create an API endpoint that will allow the users to retrieve a person's record based on ´id´.
3. Create an API endpoint that will allow the users to delete a person's record based on ´id´.
4. Create an API endpoint that will allow the users to add/update a person's information based on `id`. Please note that if the ´id´ already exists the API will update the record. If ´id´ doesn't exist the API will create a new record and return the newly created `id` of the user.
5. Keeping the security challenge in mind, each call must contain an API Key in the headers for authentication.

Deliverables:
In order to complete this assignment successfully, you need to submit the following:
- Your code (Since we at Sanoma develop APIs in Python3 so we recommend using Python web frameworks i.e. Django, FastAPI, Flask etc. FastAPI is preferred)
- A running application with all the tasks implemented and can be deployed to any server using a single command. **Hint: You can use Docker to run your application into a container**.
- A README file that will allow you to explain to others how the application works and deployed.