**First step: set up**

* Using docker to download and run the Docker image: *docker run -p 30000:8080 yondermakers/yonder-devops-tech-assessment:latest*
* Accessing the endpoint : curl <http://localhost:30000/drivers-licenses/list> for the list of 30 objects.

**Second step: building the app in Python**

I ve developed an app in Python using different functions and libraries for resolving the task.

The libraries were used for:

* Requests: Used to make HTTP requests to URLs containing drivers-licenses/list and to make GET requests for data.
* Datetime: used to obtain the current date.
* Pandas: for exporting the data to Excel files

In LicenseAuthority class I used functions to resolve the tasks:

* *fetch\_data()*: Fetch driver's license data from the specified API.
* *list\_suspended\_licenses()*: Identifies and returns suspended driving licences.
* *extract\_valid\_licenses()*: Identifies and returns valid driving licences according to the current date.
* *find\_license\_counts\_by\_category():* Calculates and returns the number of driving licences for each category.
* *export\_to\_excel():* Exports the data to an Excel file, using the pandas library.
* *display\_menu():* Displays an interactive menu to the user and allows them to choose between different options for viewing and exporting data.

**Results:**

a)

A table with numbers and letters

Description automatically generated

b)

A screenshot of a table

Description automatically generated

c)

A table of text with numbers

Description automatically generated