**Setup Files:**

**Invasive**

**/invasive/pipeline/df\_hospital\_x.pkl** : Dataset used for Training the Invasive Model

**/invasive/pipeline/highaccuracyfeatures.pkl:** List of Features to run the invasive model with high accuracy.

**/invasive/Curl Request invasive.txt** : Curl Command for POST request to endpoint for Invasive.

**/invasive/PythonCURLPOSTrequest\_Invasive.txt** : Python code for POST request to endpoint for Invasive.

**Non-Invasive**

**/noninvasive/pipeline/df\_NI\_hospital.pkl** : Dataset used for Training the NonInvasive Model

**/noninvasive/pipeline/selected\_lgbmtreefeat.pkl:** List of Features to run the noninvasive model with high accuracy.

**/noninvasive/CurlRequestnoninvasive.txt** : Curl Command for POST request to endpoint for NonInvasive.

**/noninvasive/PythonCURLPOSTrequest\_NonInvasive.txt** : Python code for POST request to endpoint for NonInvasive.

**Others**

**requirements.txt** : All required python packages with their versions for installation in a virtual environment.

**/templates/getscore.html** : HTML Form for POST request to Endpoint.

**/Inv & NonInv.postman\_collection.json :** Postman Requests collection for Invasive and NonInvasive.

**server.py** : Execute this file to start the waitress server for production.

**Installation Steps:**

**Step1:** Open terminal and navigate to project folder: “06\_PredictionCode\_Online\_v5.2”

**Step2:** Create a virtual environment for the folder using this command: python3 -m venv

**Step3:** Activate the environment : **. venv/bin/activate**

**Step4:** After activation install all required python packages for project using this command:

pip install -r ‘requirements.txt’

**Step5:**  To Start the server and run the application -> python server.py

**Step6:** Application URL access -> <http://127.0.0.1:5000/getscore> for Invasive

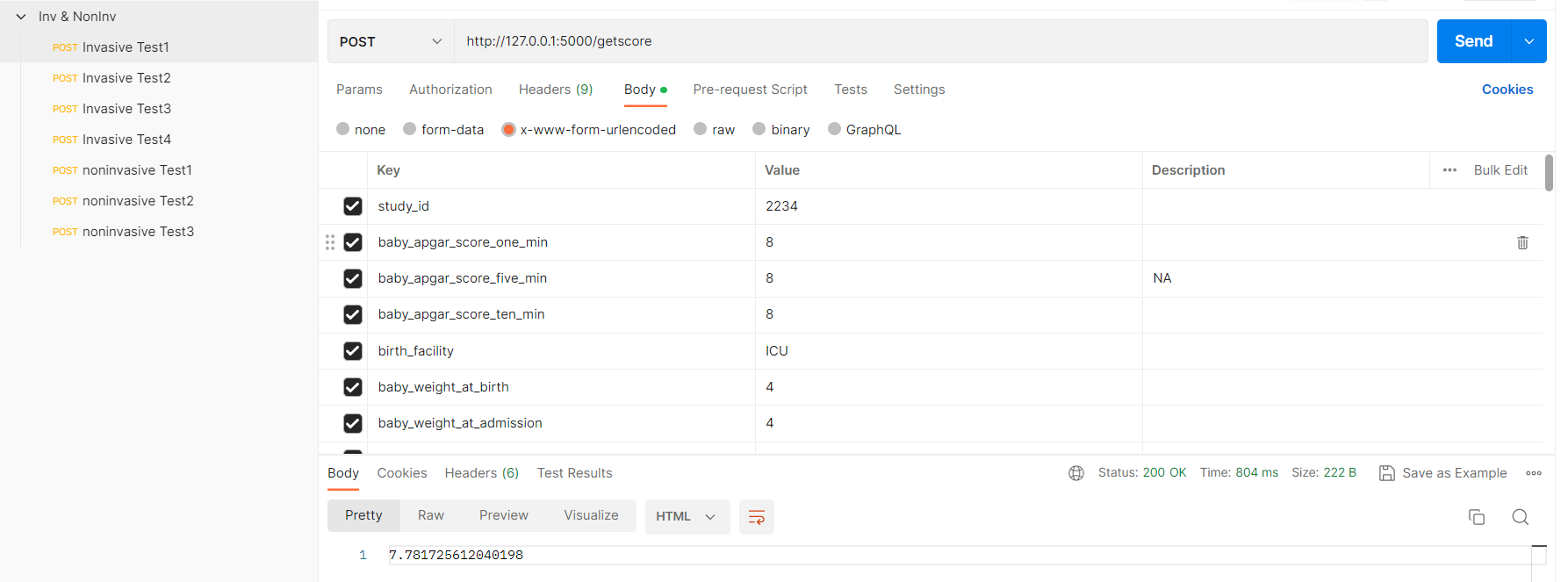
Application URL access -><http://127.0.0.1:5000/noninvasive/getniscore> for Non Invasive

**Step7: Input Data file for Invasive -** Download and Install postman and import below file

**-> Inv & NonInv.postman\_collection.json**

On Importing this file you will find several Invasive and NonInvasive Post Requests to test the ML application.

The format of Invasive and NonInvasive Post request are in **/invasive/Curl Request invasive.txt and /noninvasive/CurlRequestnoninvasive.txt** respectively**.**

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