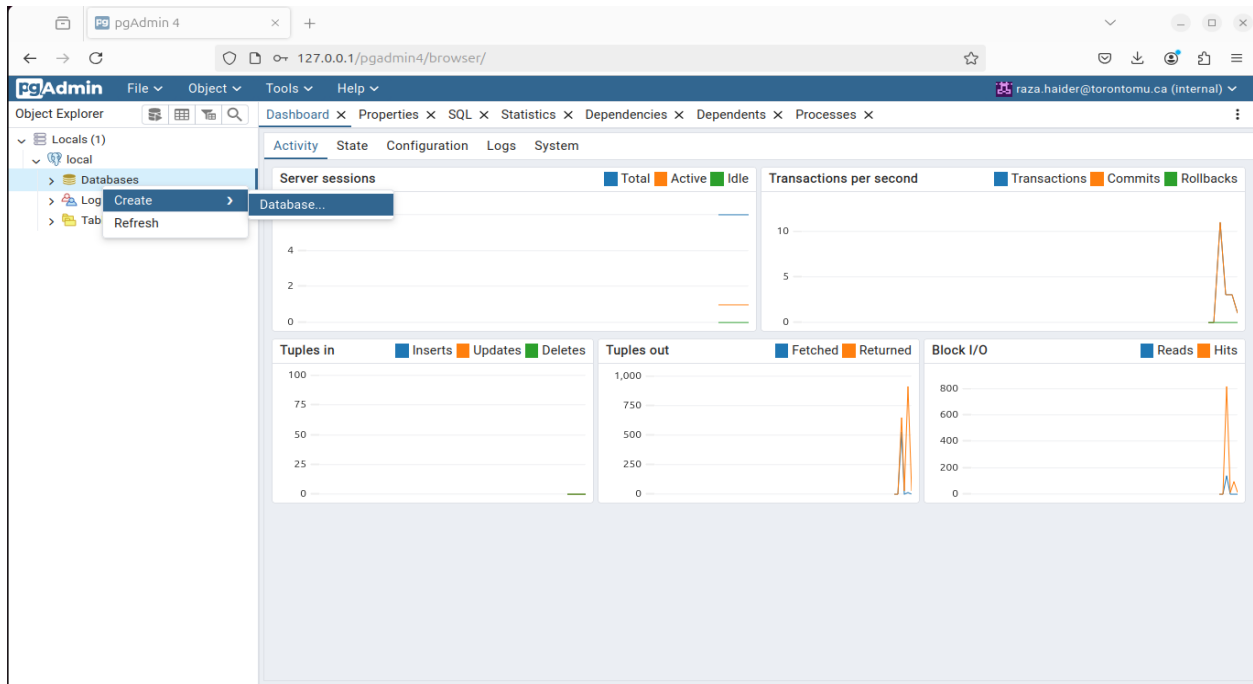


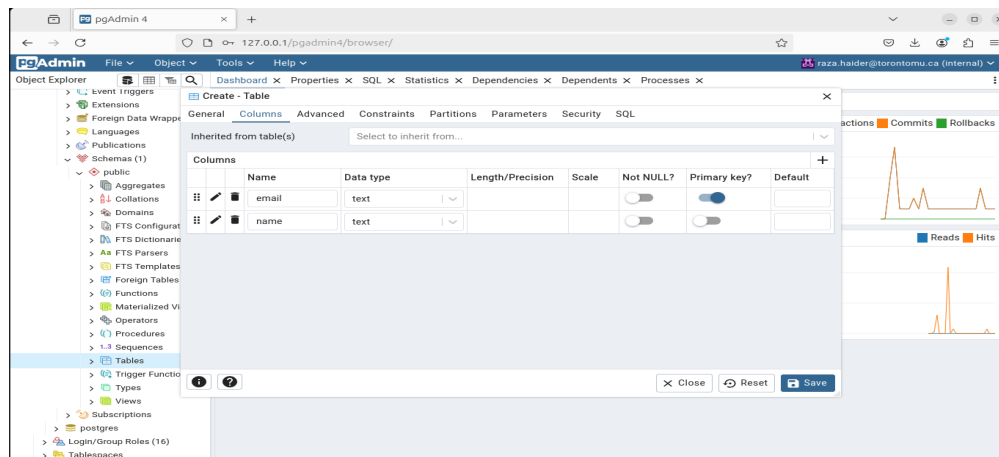
LAB 5 – MIDDLEWARE WITH A RELATIONAL BACKEND

Date: October 29, 2024

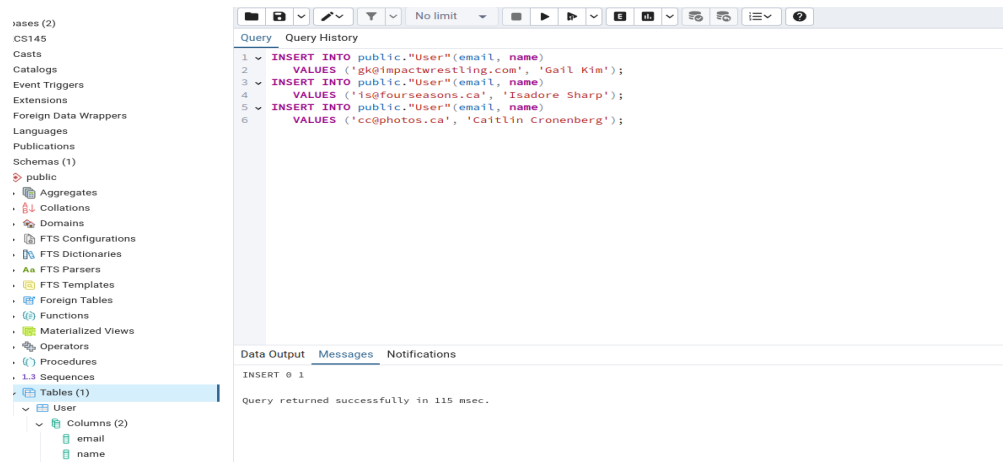
1 Create a database named "CKCS145"



2 Create table two columns "email" and "name"



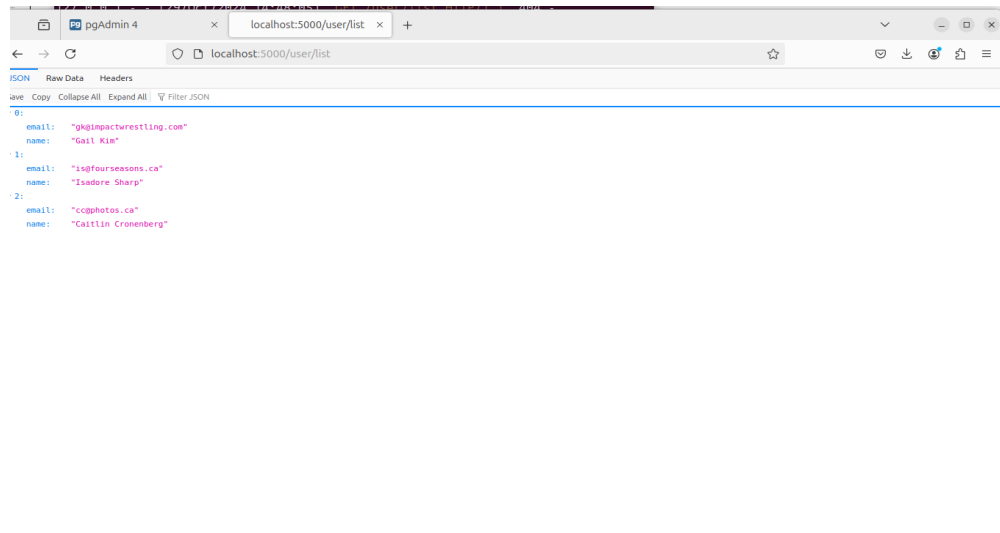
3 Insert data using SQL commands



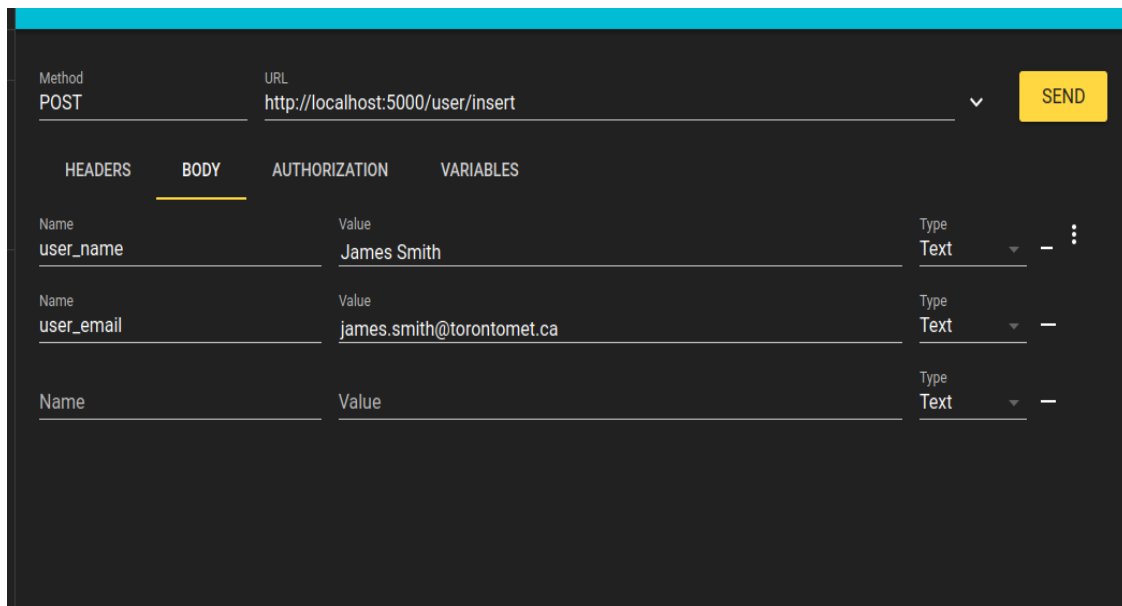
4 Run python code and navigate to <http://localhost:5000/test>

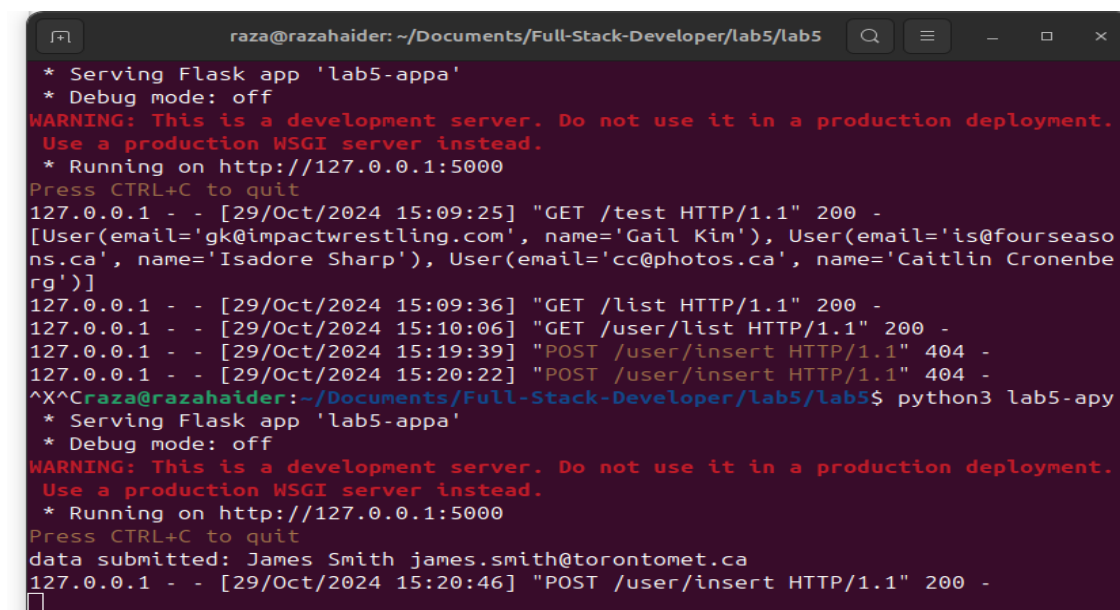
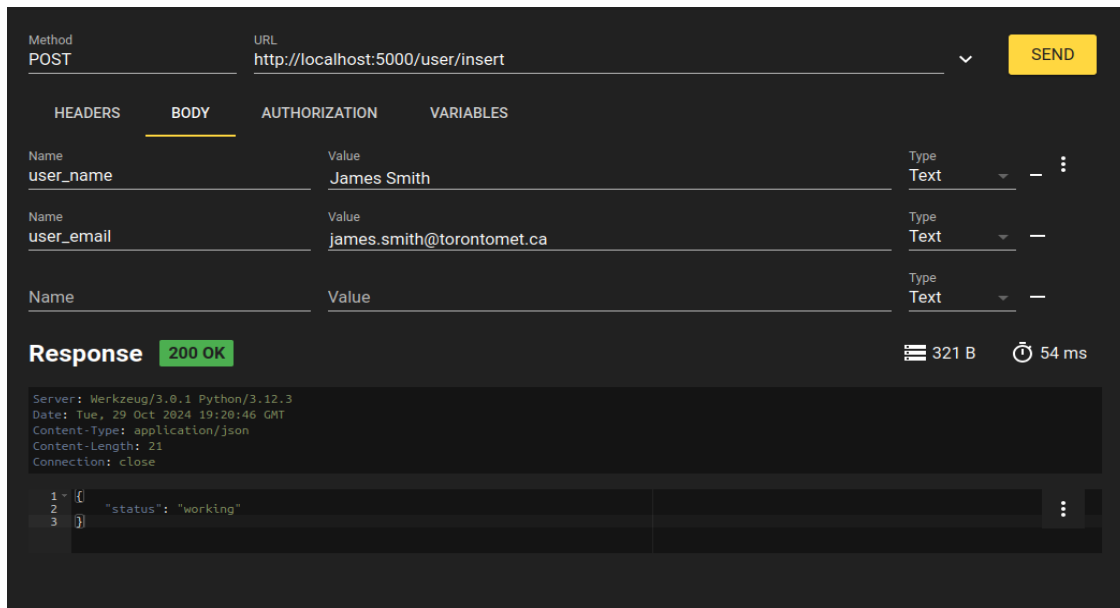


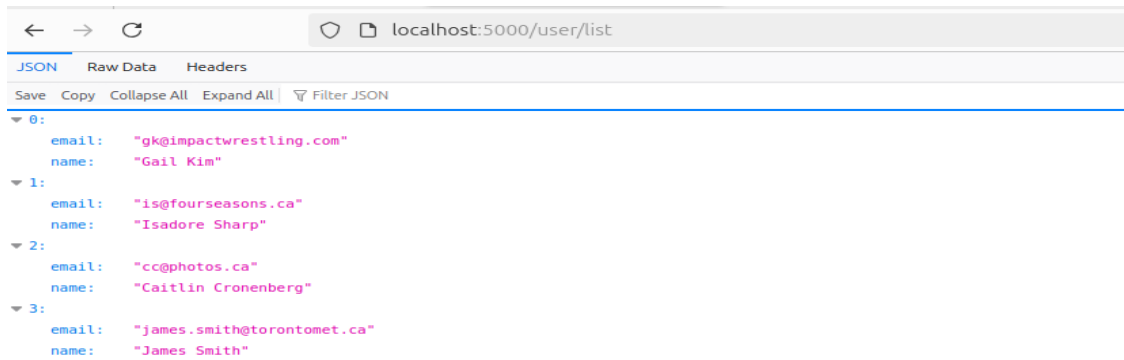
5 Retrieving all data from PostgreSQL by navigating to <http://localhost:5000/user/list>



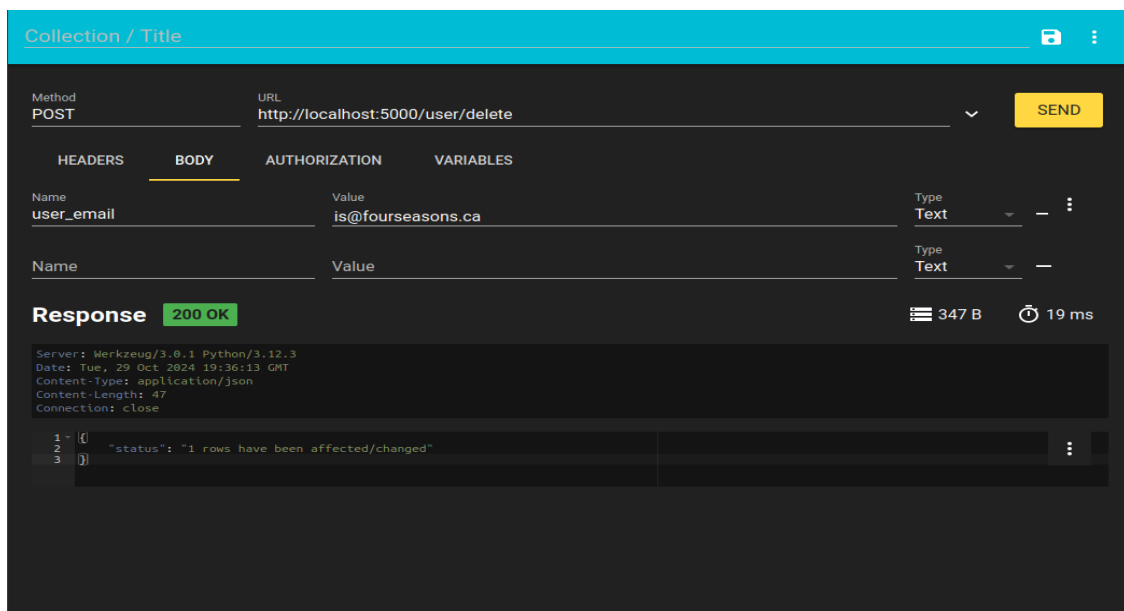
6 POST to insert request using RESTer







7 POST to delete using RSTer



```
Save Copy Collapse All Expand All Filter JSON
▼ 0:
  email: "gk@impactwrestling.com"
  name: "Gail Kim"
▼ 1:
  email: "cc@photos.ca"
  name: "Caitlin Cronenberg"
▼ 2:
  email: "james.smith@torontomet.ca"
  name: "James Smith"
```

8 POST update using RSTer

Collection / Title

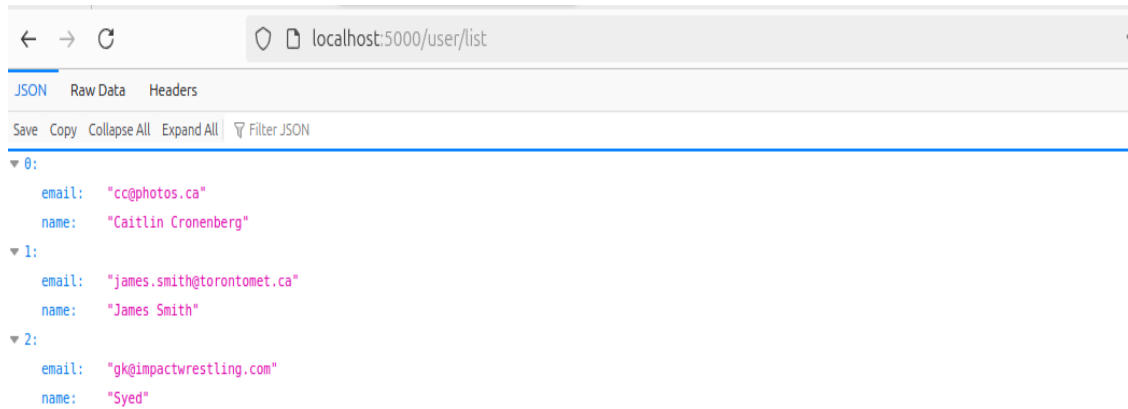
Method	URL
POST	http://localhost:5000/user/update

HEADERS	BODY	AUTHORIZATION	VARIABLES
Name	Value	Type	
user_email	gk@impactwrestling.com	Text	
user_name	Syed	Text	
Name	Value	Text	

Response 200 OK 347 B

```
Server: Werkzeug/3.0.1 Python/3.12.3
Date: Tue, 29 Oct 2024 19:41:15 GMT
Content-Type: application/json
Content-Length: 47
Connection: close

1 - [
2   "status": "1 rows have been affected/changed"
3 ]
```



9 In this lab, only GET and POST requests are used. Why are PUT and DELETE requests not used?

The lab uses GET and POST for simplicity and compatibility, while PUT and DELETE are not needed for the basic scenarios covered in the lab.