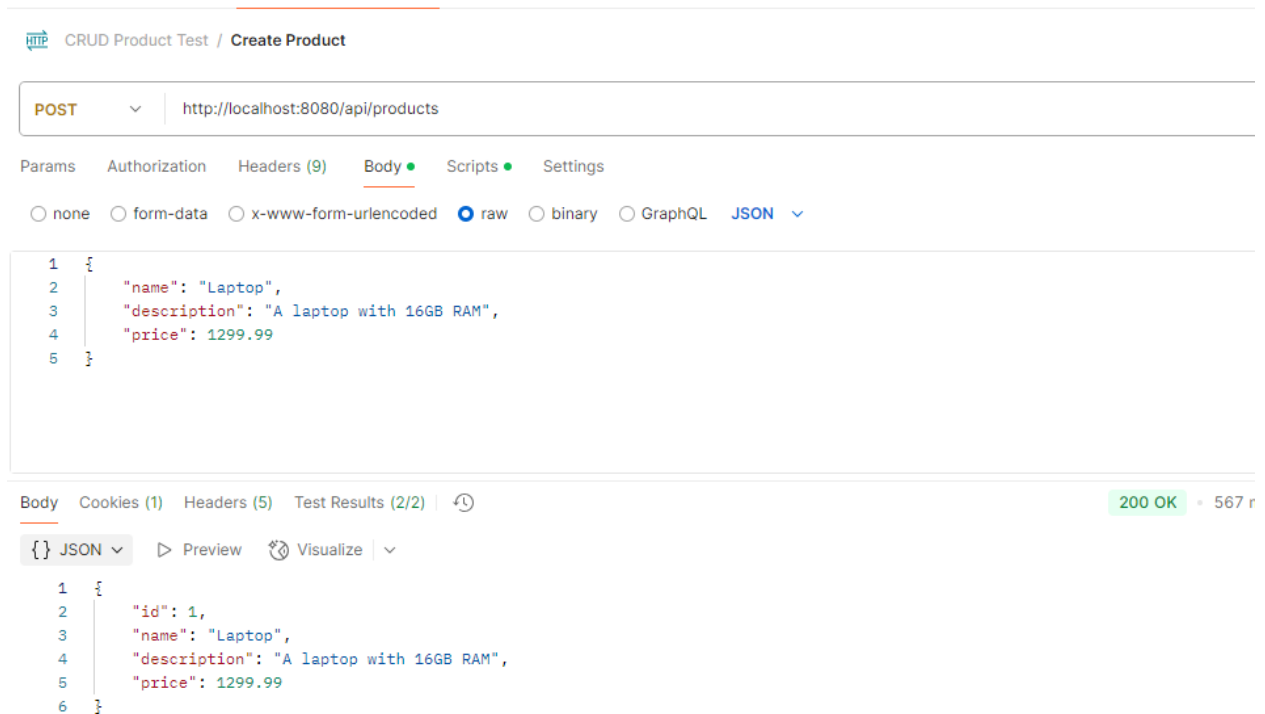


Name: Mohamed Amr El Mallah

Id: 20P3485

We use neon PostgreSQL database for this lab

Post Example:



HTTP CRUD Product Test / Create Product

POST http://localhost:8080/api/products

Params Authorization Headers (9) Body Scripts Settings

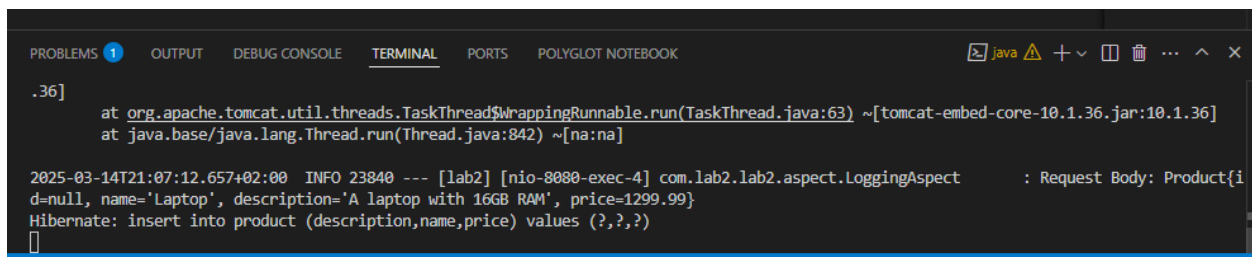
☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```
1 {
2   "name": "Laptop",
3   "description": "A laptop with 16GB RAM",
4   "price": 1299.99
5 }
```

Body Cookies (1) Headers (5) Test Results (2/2) 200 OK 567 r

{ } JSON Preview Visualize


```
1 {
2   "id": 1,
3   "name": "Laptop",
4   "description": "A laptop with 16GB RAM",
5   "price": 1299.99
6 }
```



```
.36]
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:63) ~[tomcat-embed-core-10.1.36.jar:10.1.36]
at java.base/java.lang.Thread.run(Thread.java:842) ~[na:na]

2025-03-14T21:07:12.657+02:00 INFO 23840 --- [lab2] [nio-8080-exec-4] com.lab2.lab2.aspect.LoggingAspect : Request Body: Product{id=null, name='Laptop', description='A laptop with 16GB RAM', price=1299.99}
Hibernate: insert into product (description,name,price) values (?,?,?)
```

Get by Id Example:

 **CRUD Product Test / Get Product by ID**

GET

▼

http://localhost:8080/api/products/1

Params Authorization Headers (6) Body Scripts ● Settings

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

This request does not have a body

Body Cookies (1) Headers (5) Test Results (2/2) ↺

200 OK

{ } JSON ▼ ▶ Preview 🔍 Visualize ▼


```
1  {
2      "id": 1,
3      "name": "Laptop",
4      "description": "A laptop with 16GB RAM",
5      "price": 1299.99
6  }
```

2025-03-14T21:11:11.270+02:00 INFO 23840 --- [lab2] [nio-8080-exec-7] com.lab2.lab2.aspect.LoggingAspect : Request Body: 1
Hibernate: select p1_0.id,p1_0.description,p1_0.name,p1_0.price from product p1_0 where p1_0.id=?

CyberCoder Improve Code No connection Java: Ready Share Code Link Generate Commit Message Java Go Live AI Code Chat

ENG 9:11 PM 14/03/2025

Update Example:

 CRUD Product Test / Update Product

PUT

▼

http://localhost:8080/api/products/1

ParamsAuthorizationHeaders (9)Body●Scripts●Settings

☐ none☐ form-data☐ x-www-form-urlencoded☒ raw☐ binary☐ GraphQLJSON▼

```
1  {
2      "name": "Updated Laptop",
3      "description": "An updated laptop with 32GB RAM",
4      "price": 1599.99
5  }
```

BodyCookies (1)Headers (5)Test Results (2/2)⌚

200 OK

{ }JSON▼

▶ Preview

🔍 Visualize▼

```
1  {
2      "id": 1,
3      "name": "Updated Laptop",
4      "description": "An updated laptop with 32GB RAM",
5      "price": 1599.99
6  }
```

```
2025-03-14T21:12:49.644+02:00 INFO 23840 --- [lab2] [io-8080-exec-10] com.lab2.lab2.aspect.LoggingAspect : Request Body: Product{id=null, name='Updated Laptop', description='An updated laptop with 32GB RAM', price=1599.99}
Hibernate: select p1_0.id,p1_0.description,p1_0.name,p1_0.price from product p1_0 where p1_0.id=?
Hibernate: update product set description=?,name=?,price=? where id=?
```

Delete Example:

HTTP

CRUD Product Test / Delete Product

DELETE

▼

http://localhost:8080/api/products/1

Params

Authorization

Headers (6)

Body

Scripts ●

Settings

Query Params

	Key	Value
	Key	Value

Body

Cookies (1)

Headers (3)

Test Results (1/1)

↺

204 No Content

Raw ▼

▶ Preview

🔄 Visualize

▼

1

2025-03-14T21:16:02.416+02:00

INFO

23840

[lab2]

[nio-8080-exec-3]

com.lab2.lab2.aspect.LoggingAspect

:

Request Body: 1

Hibernate: select p1_0.id,p1_0.description,p1_0.name,p1_0.price from product p1_0 where p1_0.id=?

Hibernate: delete from product where id=?

□

Example of database update after product is added:

https://console.neon.tech/app/projects/broad-mountain-61994652/branches/br-fragrant-glitter-a586wlfz/tables?database=neondb

Mohamed Amr Mohamed Anwar Awad FREE lab2 aspect main MAINTENANCE Share 1 Upgrade

Tables

neondb public Search... product

id	serial	name	varchar(255)	description	text	price	numeric(10, 2)
2		Laptop		A laptop with 16GB RAM		1299.99	

1 row • 1s 50 0