

UNIVERSITE CHEIKH ANTA DIOP DE DAKAR



**ECOLE SUPERIEURE
POLYTECHNIQUE**

DEPARTEMENT GENIE INFORMATIQUE

Lab 2 : **Premiers pas avec Spring-boot**

Exercice 1

Création du projet

The screenshot shows the start.spring.io website in a browser. The page is dark-themed and displays the 'Project Metadata' form for creating a new Spring Boot project. The form includes fields for Group, Artifact, Name, Description, and Package name, all of which are pre-filled. The 'Packaging' section shows 'Jar' selected, and the 'Java' version is set to '17'. The 'Generate' button is highlighted with a red border.

start.spring.io

3.4.4 (SNAPSHOT) 3.4.3 3.3.10 (SNAPSHOT)
3.3.9

Project Metadata

Group

Artifact

Name

Description

Package name

Packaging ☒ Jar ☐ War

Java ☐ 24 ☐ 21 ☒ 17

GENERATE CTRL + G

EXPLORE CTRL + SPACE

...

```

USER@DESKTOP-AG0C60P MINGW64 ~/Documents/M1-GLSI/Semestre 2/sb-coffee-1 (main)
$ mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.example:sb-coffee-1 >-----
[INFO] Building sb-coffee-1 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot:3.4.3:run (default-cli) > test-compile @ sb-coffee-1 >>>
Downloaded from central: https://repo.maven.apache.org/maven2/org/projectlombok/lombok/1.18.36/lombok-1.18.36.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/projectlombok/lombok/1.18.36/lombok-1.18.36.pom (1.5 kB at 1.3 kB/s)

2025-03-19T22:45:31.797Z INFO 17060 --- [sb-coffee-1] [main] o.e.sbcOFFEE1.SbCoffee1Application : Starting SbCoffee1Application using Java 17.0.13 with PID 17060 (C:\Users\USER\Documents\M1-GLSI\Semestre 2\sbs-coffee-1\target\classes started by USER in C:\Users\USER\Documents\M1-GLSI\Semestre 2\sbs-coffee-1)
2025-03-19T22:45:31.803Z INFO 17060 --- [sb-coffee-1] [main] o.e.sbcOFFEE1.SbCoffee1Application : No active profile set, falling back to 1 default profile: "default"
2025-03-19T22:45:34.099Z INFO 17060 --- [sb-coffee-1] [main] o.s.b.w.e.t.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2025-03-19T22:45:34.125Z INFO 17060 --- [sb-coffee-1] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-03-19T22:45:34.125Z INFO 17060 --- [sb-coffee-1] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.36]
2025-03-19T22:45:34.270Z INFO 17060 --- [sb-coffee-1] [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-03-19T22:45:34.273Z INFO 17060 --- [sb-coffee-1] [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2334 ms
2025-03-19T22:45:35.006Z INFO 17060 --- [sb-coffee-1] [main] o.s.b.w.e.t.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path '/'
2025-03-19T22:45:35.029Z INFO 17060 --- [sb-coffee-1] [main] o.e.sbcOFFEE1.SbCoffee1Application : Started SbCoffee1Application in 4.376 seconds (process running for 5.329)

```

1) RECHERCHER :

- tous :
 - avec postman

The screenshot shows a Postman interface with a GET request to `http://localhost:8080/coffees`. The status is **200 OK** with a response time of 289 ms and a body size of 136 B. The response is a JSON array containing four coffee objects:

```

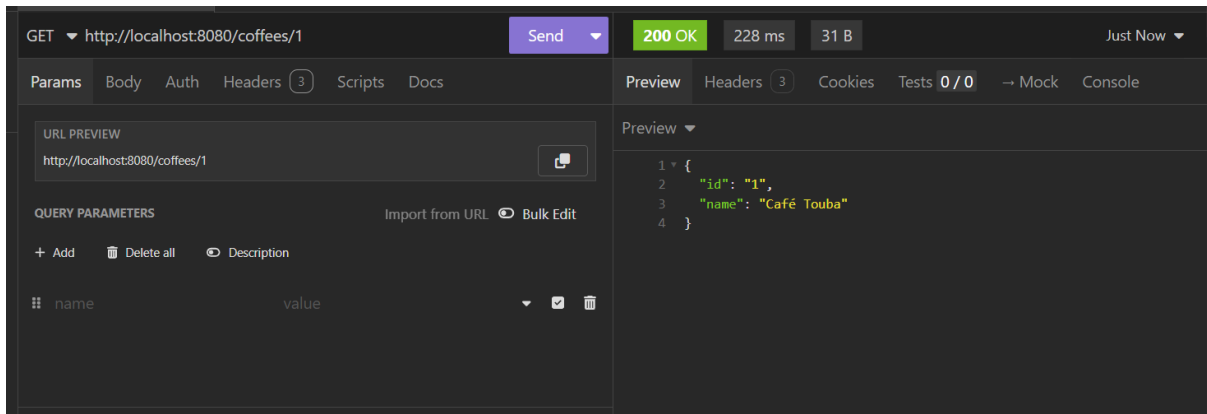
1 * [
2 *   {
3 *     "id": "1",
4 *     "name": "Café Touba"
5 *   },
6 *   {
7 *     "id": "2",
8 *     "name": "Café Nescafé"
9 *   },
10 *  {
11 *    "id": "3",
12 *    "name": "Café Espresso"
13 *  },
14 *  {
15 *    "id": "4",
16 *    "name": "Café Crème"
17 *  }
18 ]

```

- avec httpie

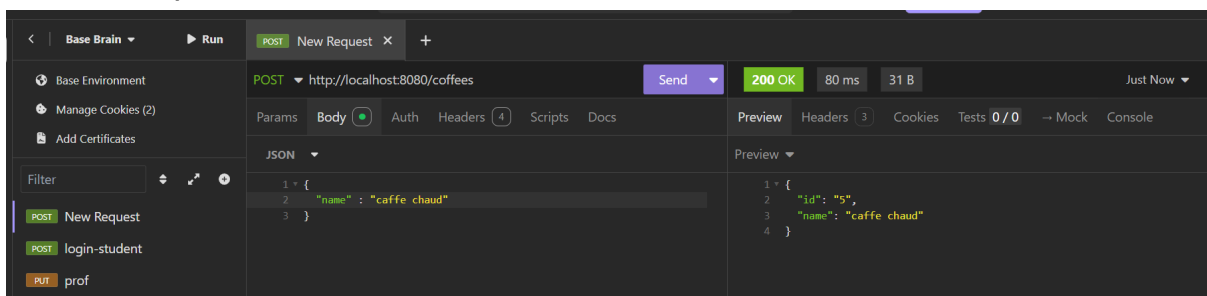
2) RECHERCHER : une

- avec postman



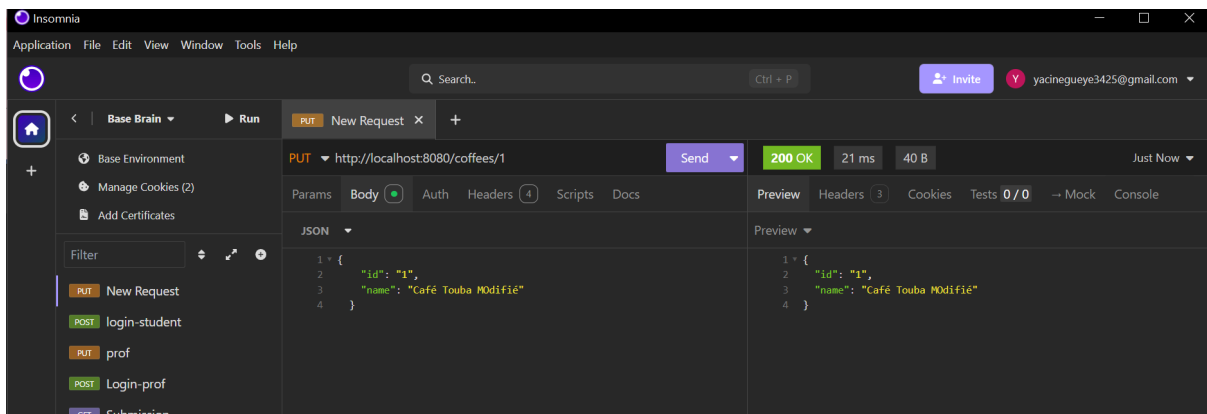
3) CREER

- avec postman



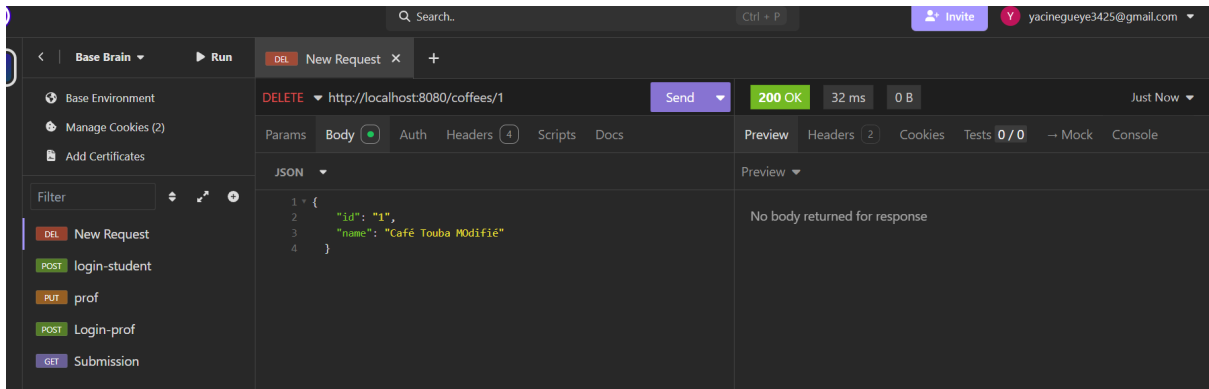
4) MODIFIER

- avec postman

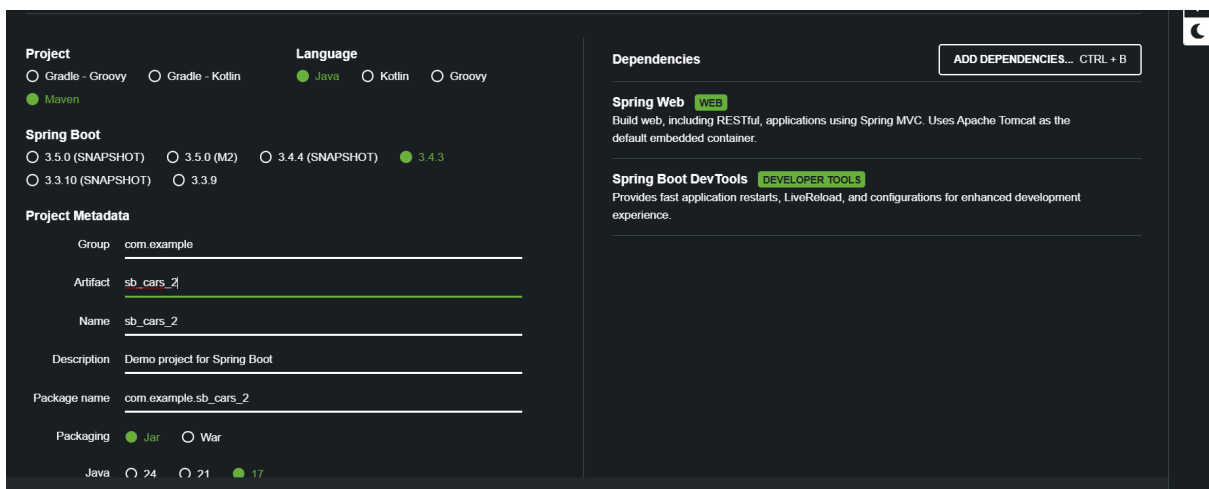


5) SUPPRIMER

- avec postman

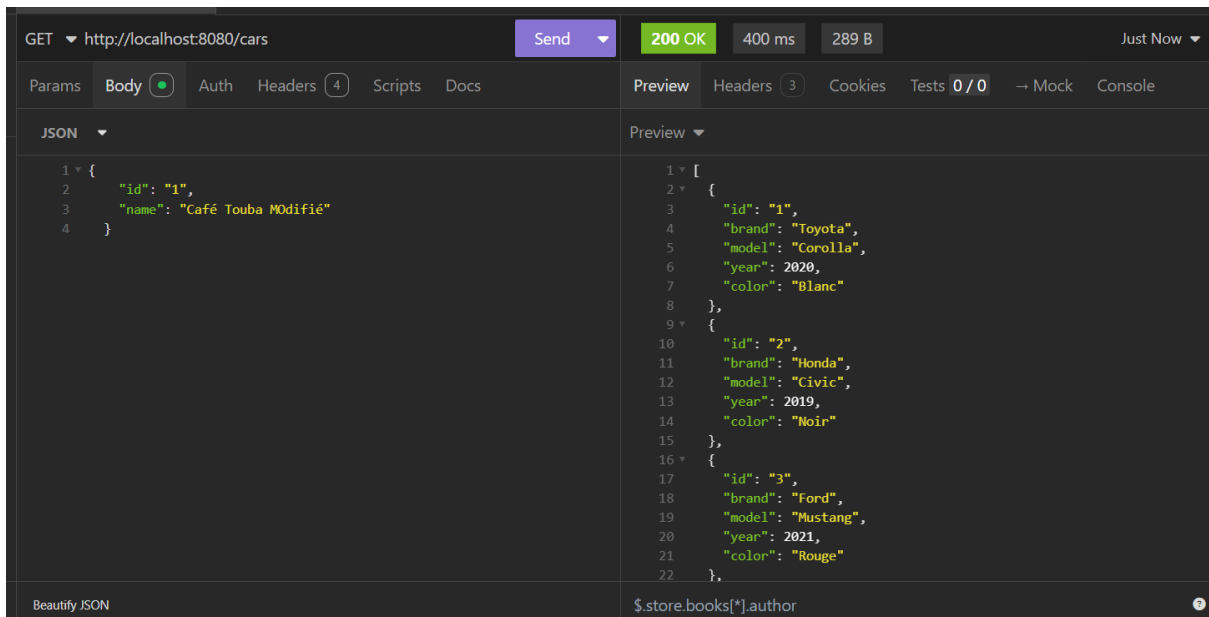


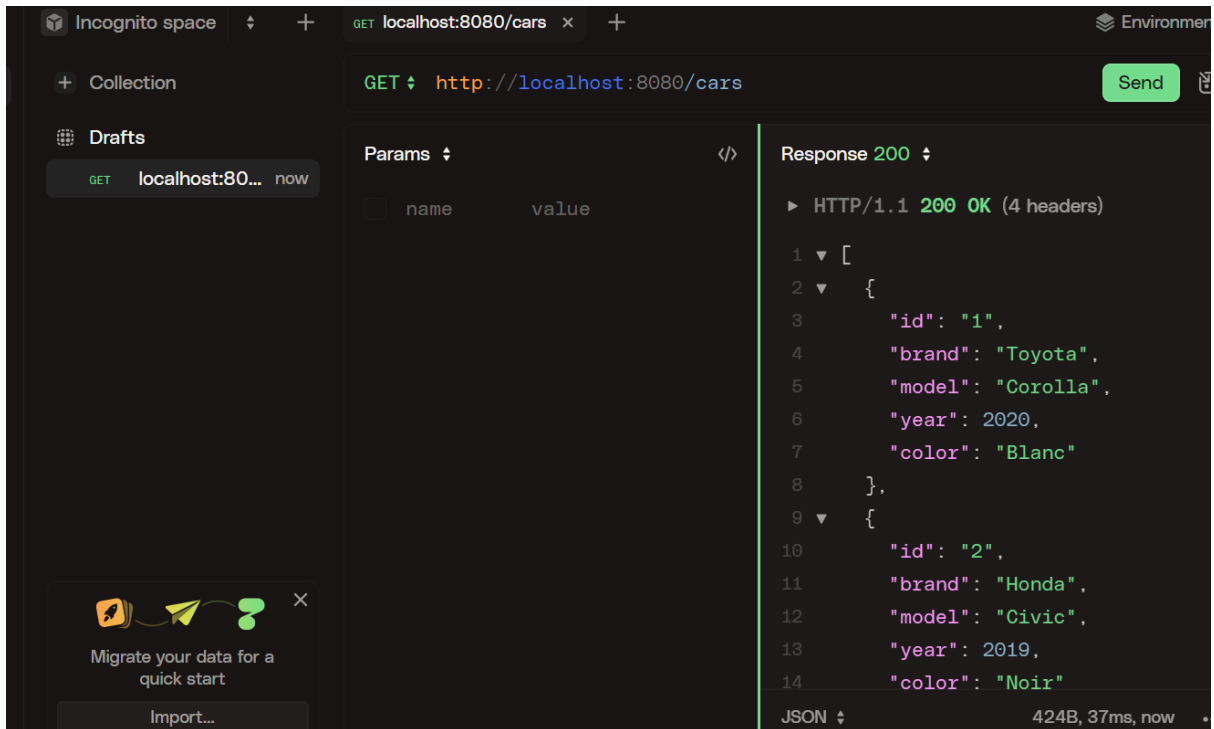
Exercise 2



1) RECHERCHER :

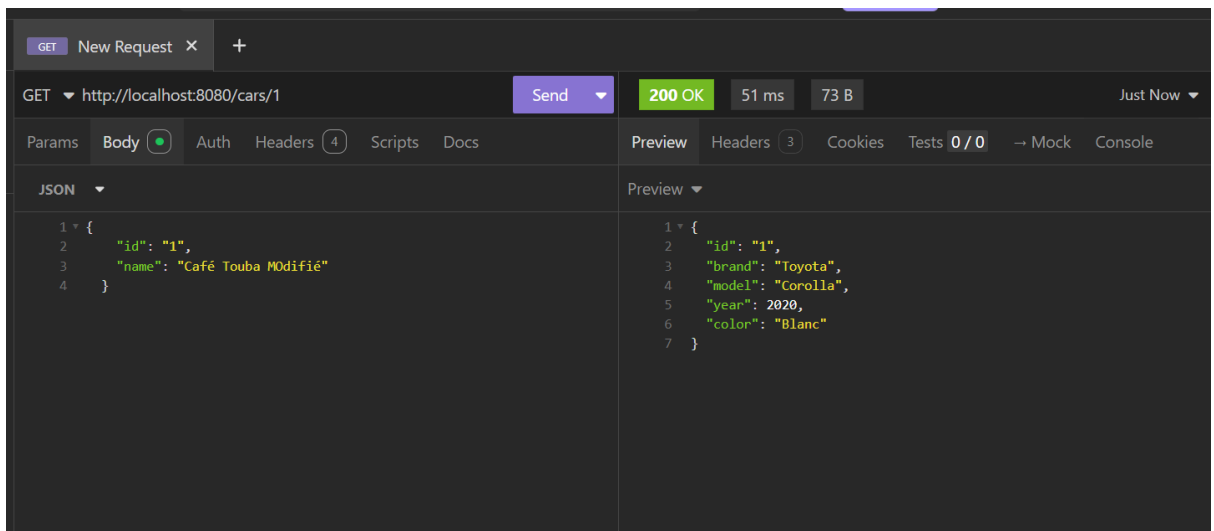
- tous :

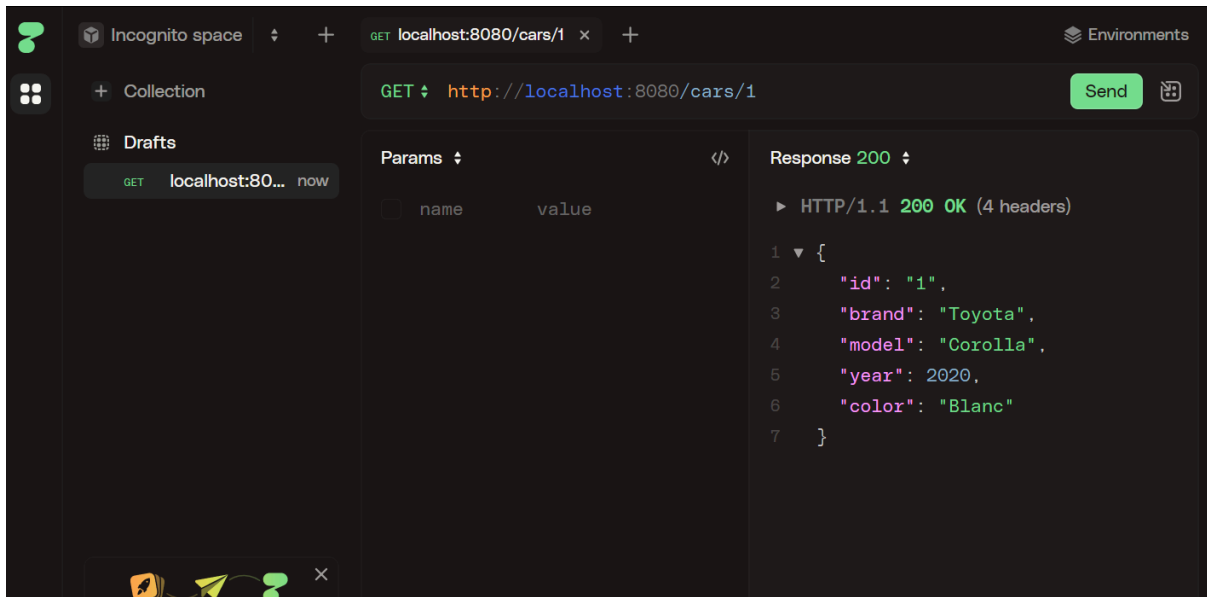




2) RECHERCHER : une

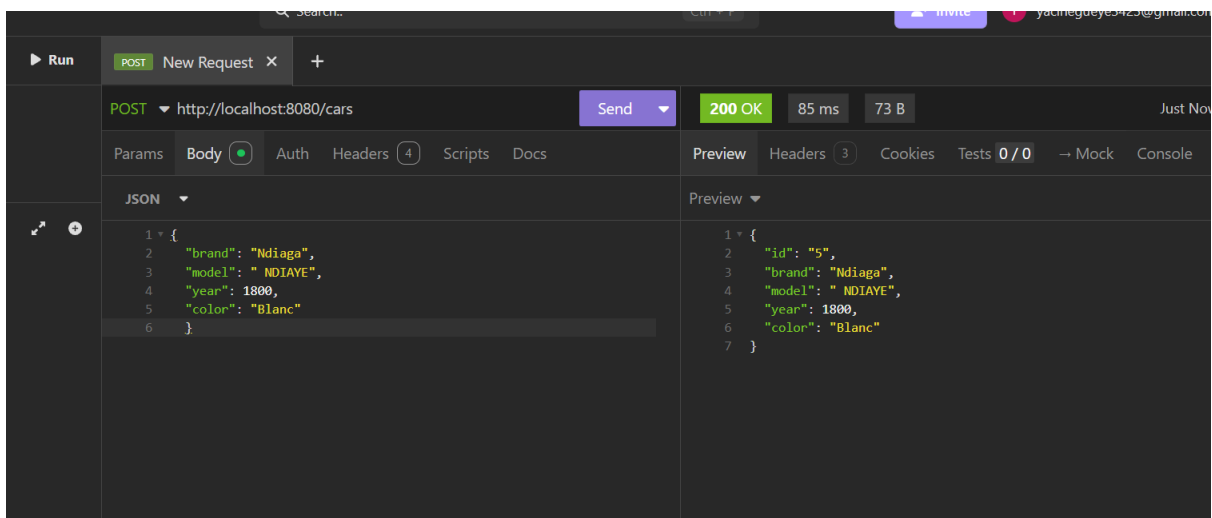
- avec postman





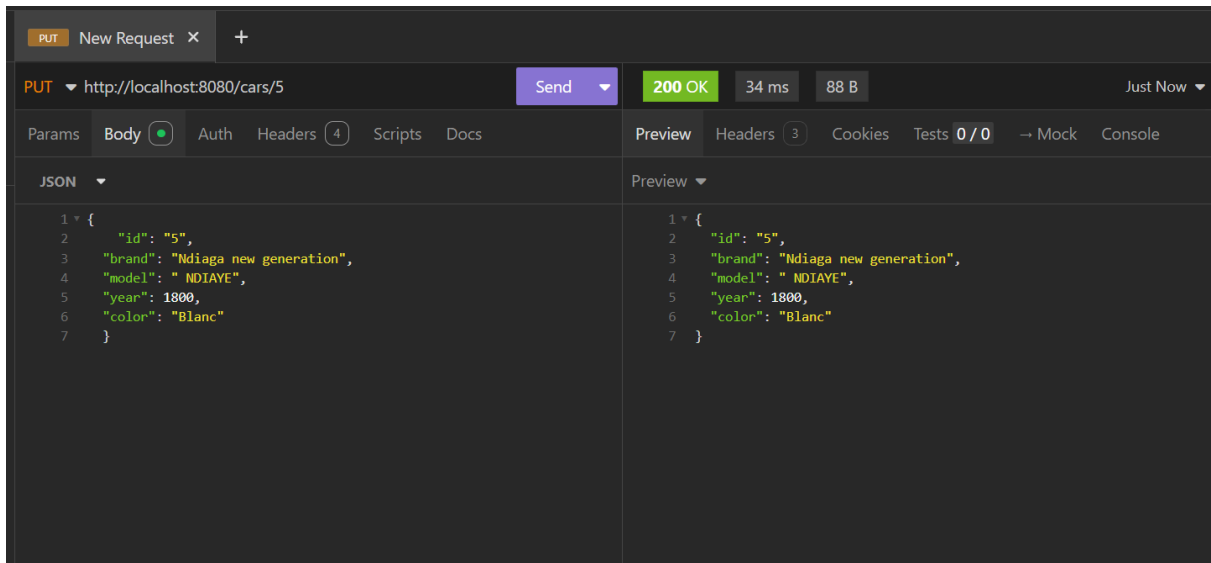
3) CREER

- avec postman



4) MODIFIER

- avec postman



4) Supprimer

- avec postman

