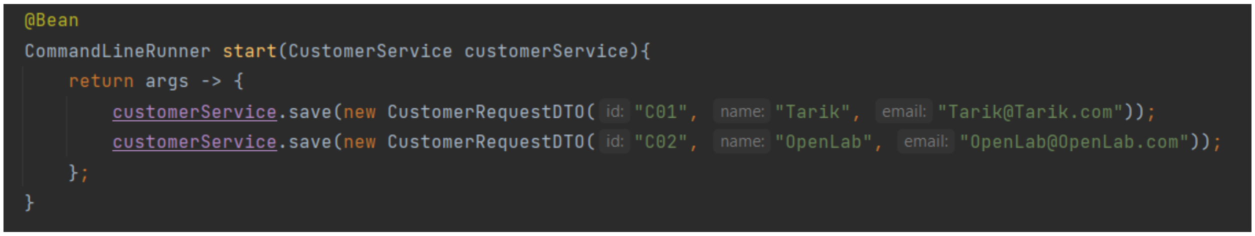
Tarik FERTAHI

II-BDCC

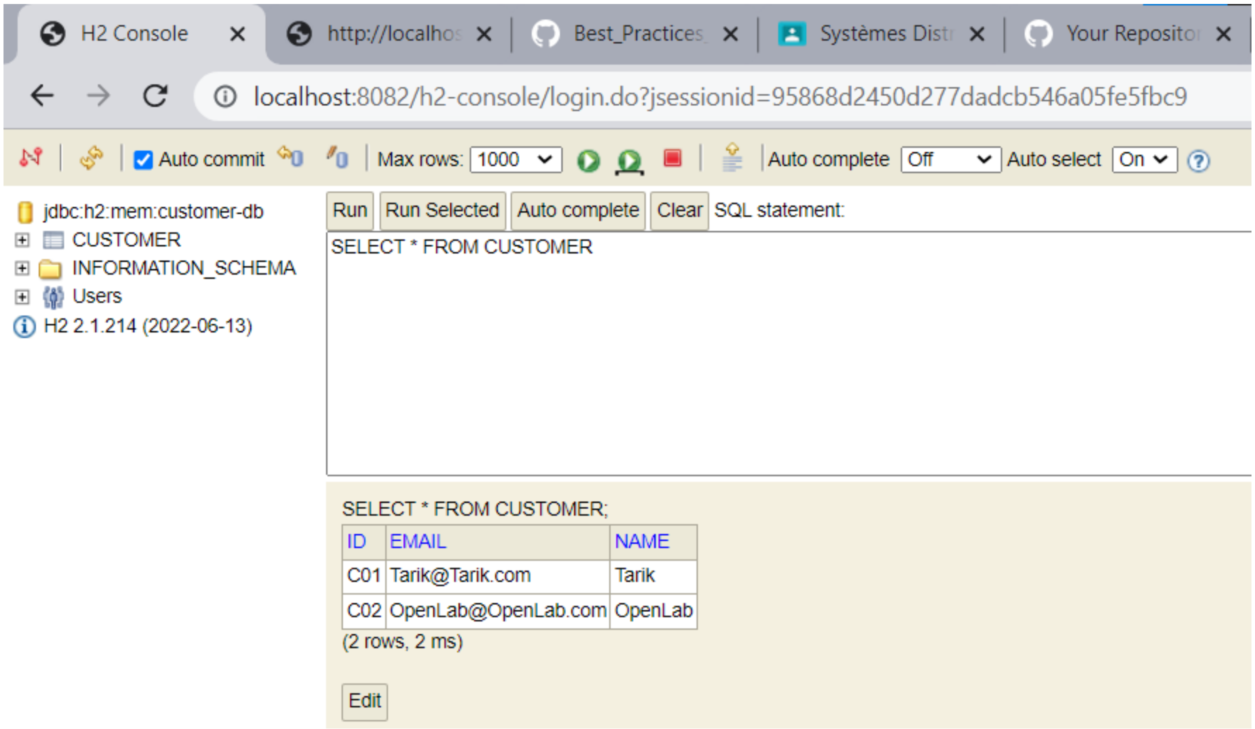
Année universitaire : 2022/2023

La création de deux Clients



```
@Bean
CommandLineRunner start(CustomerService customerService){
    return args -> {
        customerService.save(new CustomerRequestDTO( id: "C01",  name: "Tarik",  email: "Tarik@Tarik.com"));
        customerService.save(new CustomerRequestDTO( id: "C02",  name: "OpenLab",  email: "OpenLab@OpenLab.com"));
    };
}
```

Vérification des clients au niveau de la base de données



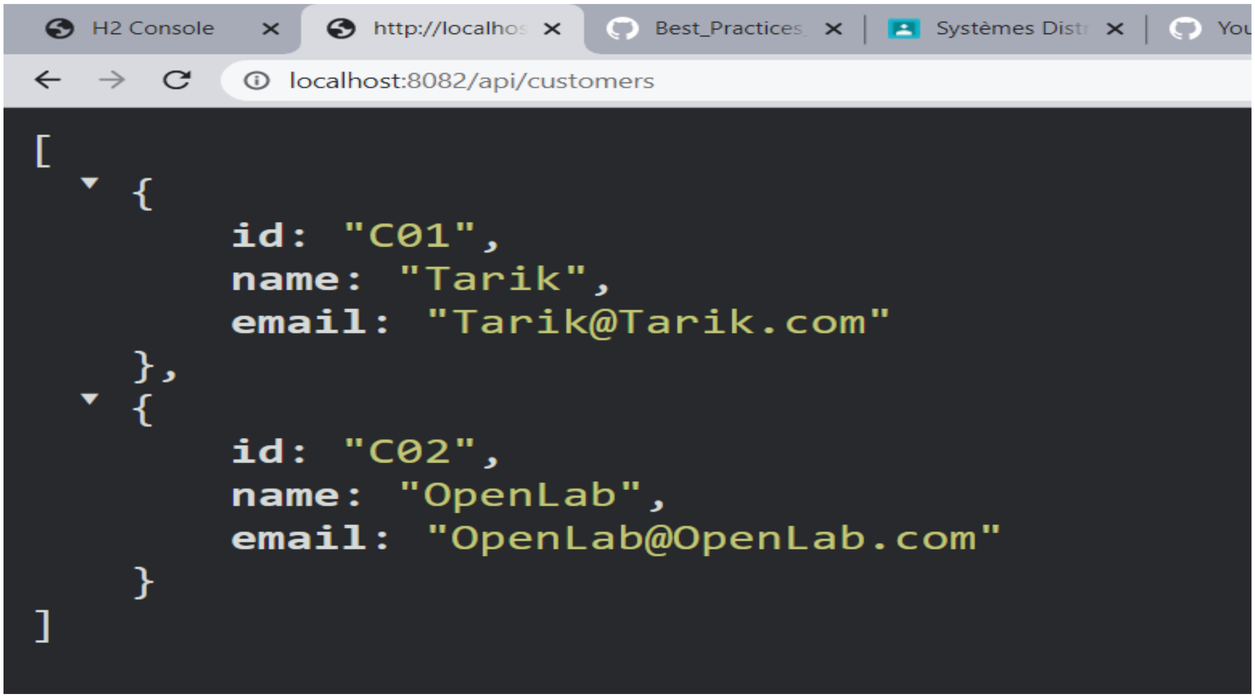
```
SELECT * FROM CUSTOMER
```

SELECT * FROM CUSTOMER;

ID	EMAIL	NAME
C01	Tarik@Tarik.com	Tarik
C02	OpenLab@OpenLab.com	OpenLab

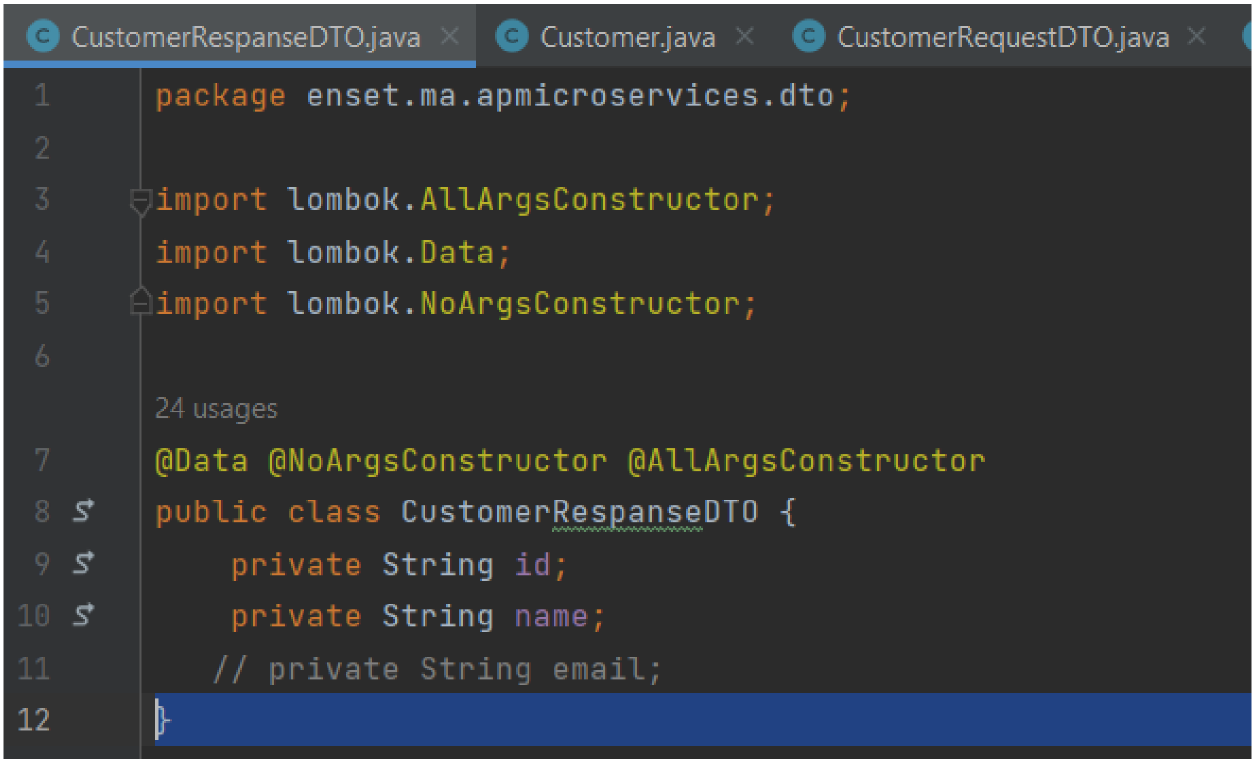
(2 rows, 2 ms)

Affichage des clients

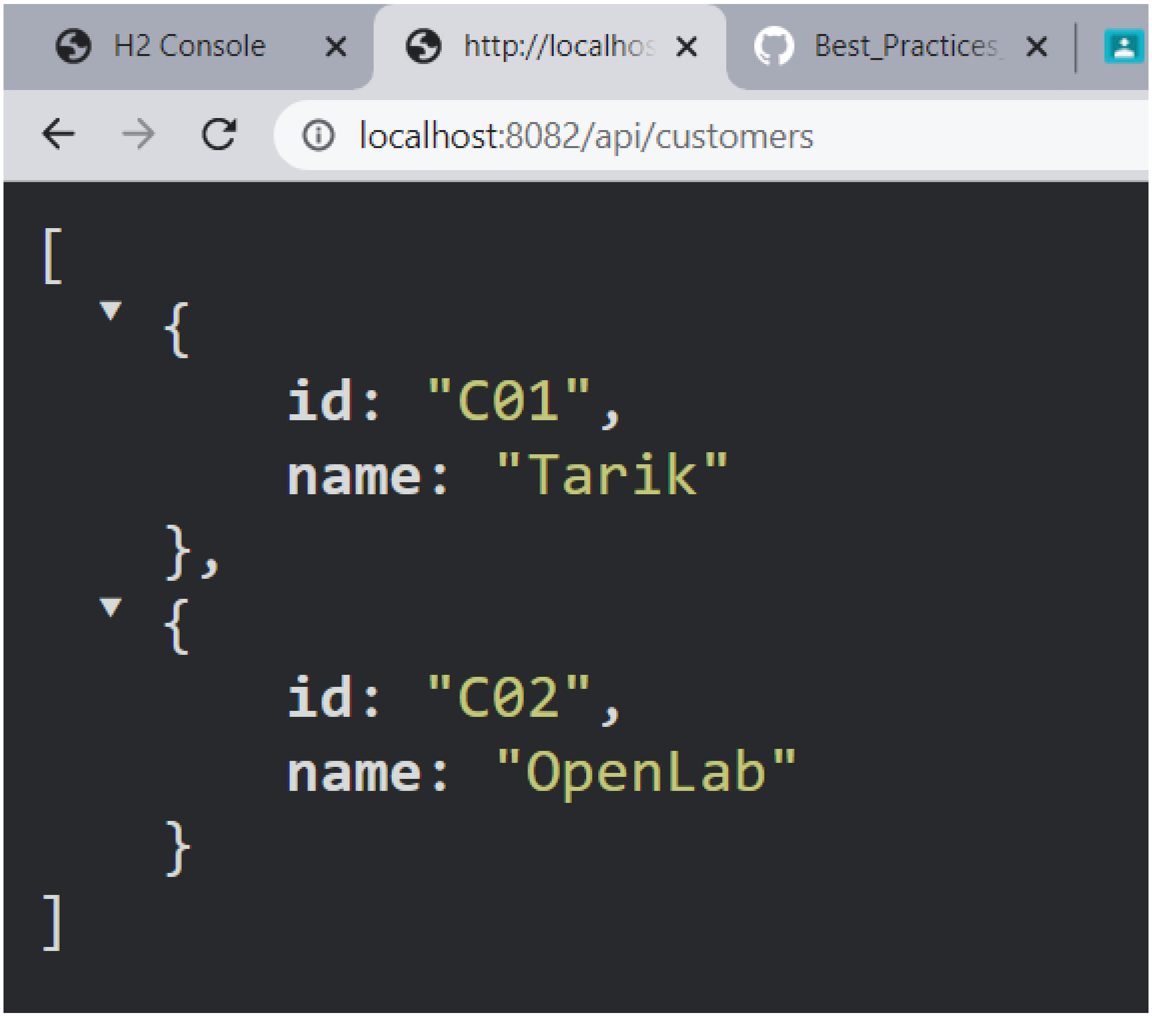


```
[
  {
      id: "C01",
      name: "Tarik",
      email: "Tarik@Tarik.com"
  },
  {
      id: "C02",
      name: "OpenLab",
      email: "OpenLab@OpenLab.com"
  }
]
```

Grace au DTOs on peut ignorer l’attribut email dans la partie UI

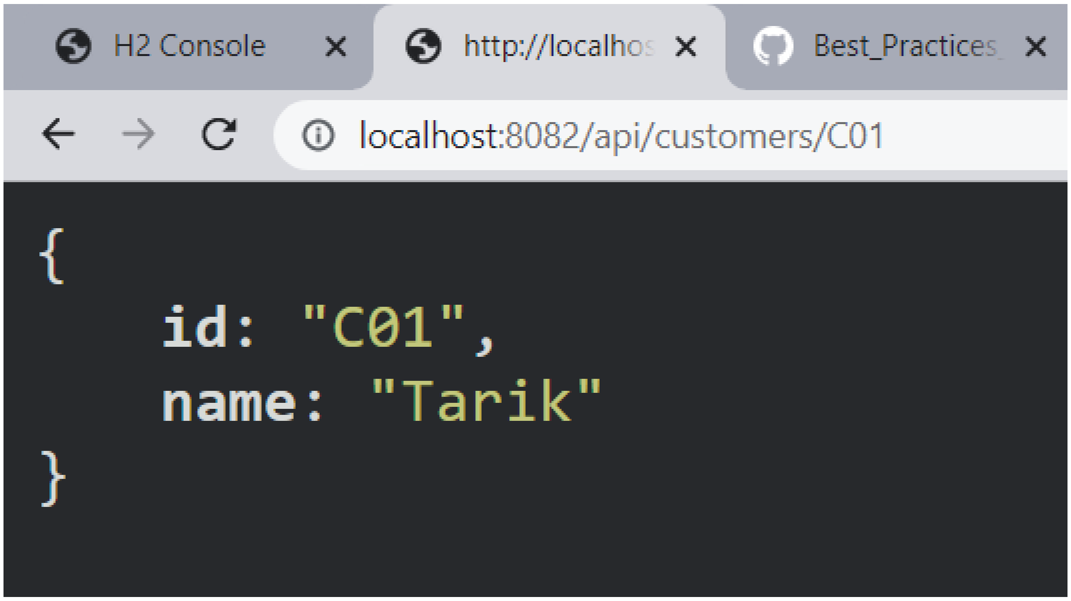


```java
package enset.ma.apmicroservices.dto;

import lombok.AllArgsConstructor;
import lombok.Data;
import lombok.NoArgsConstructor;

@Data @NoArgsConstructor @AllArgsConstructor
public class CustomerRespanseDTO {
    private String id;
    private String name;
   // private String email;
}
```



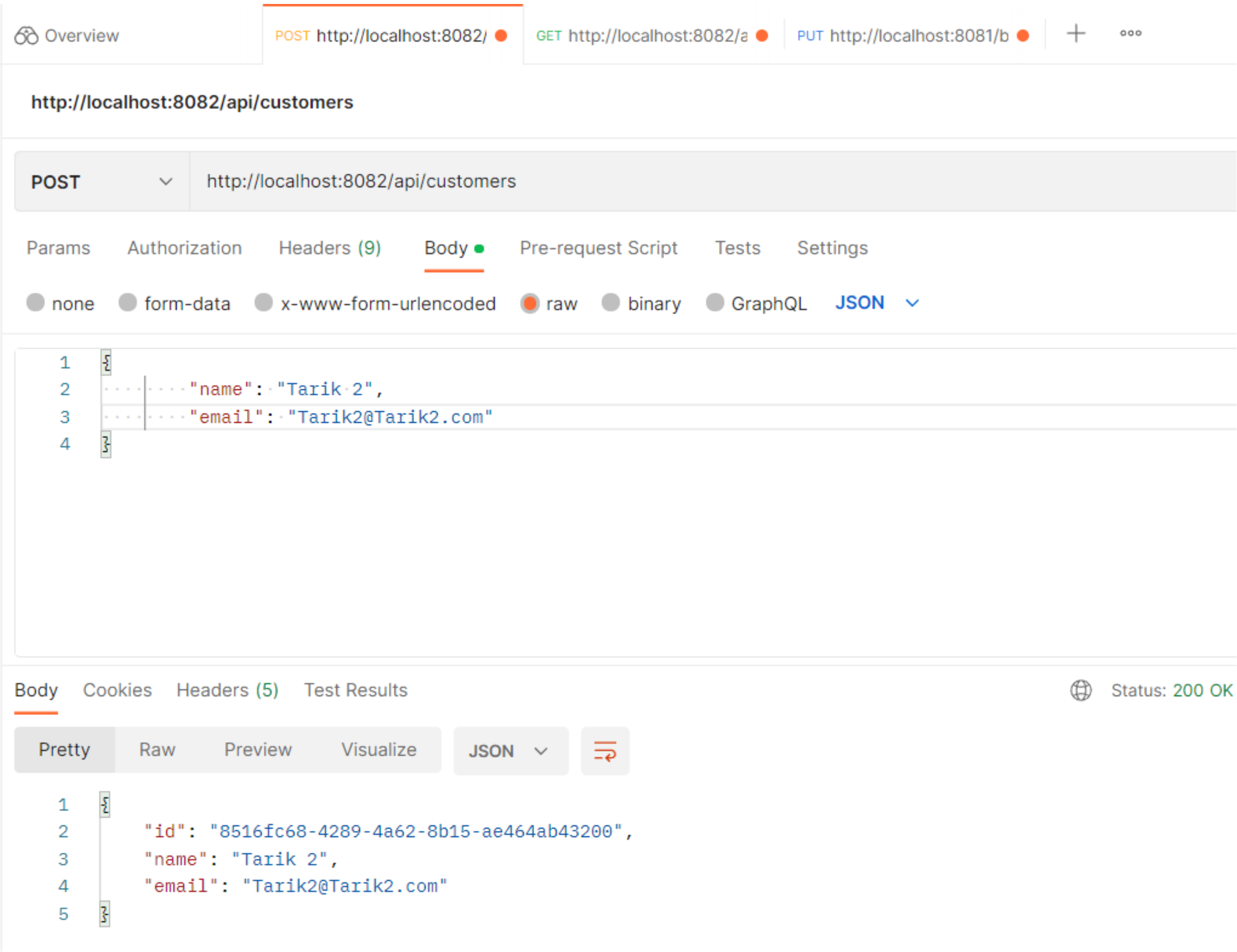
```
[
  ▼ {
        id: "C01",
        name: "Tarik"
    },
  ▼ {
        id: "C02",
        name: "OpenLab"
    }
]
```

Consulter un client par ID



```
{
    id: "C01",
    name: "Tarik"
}
```

Test de la méthode Save



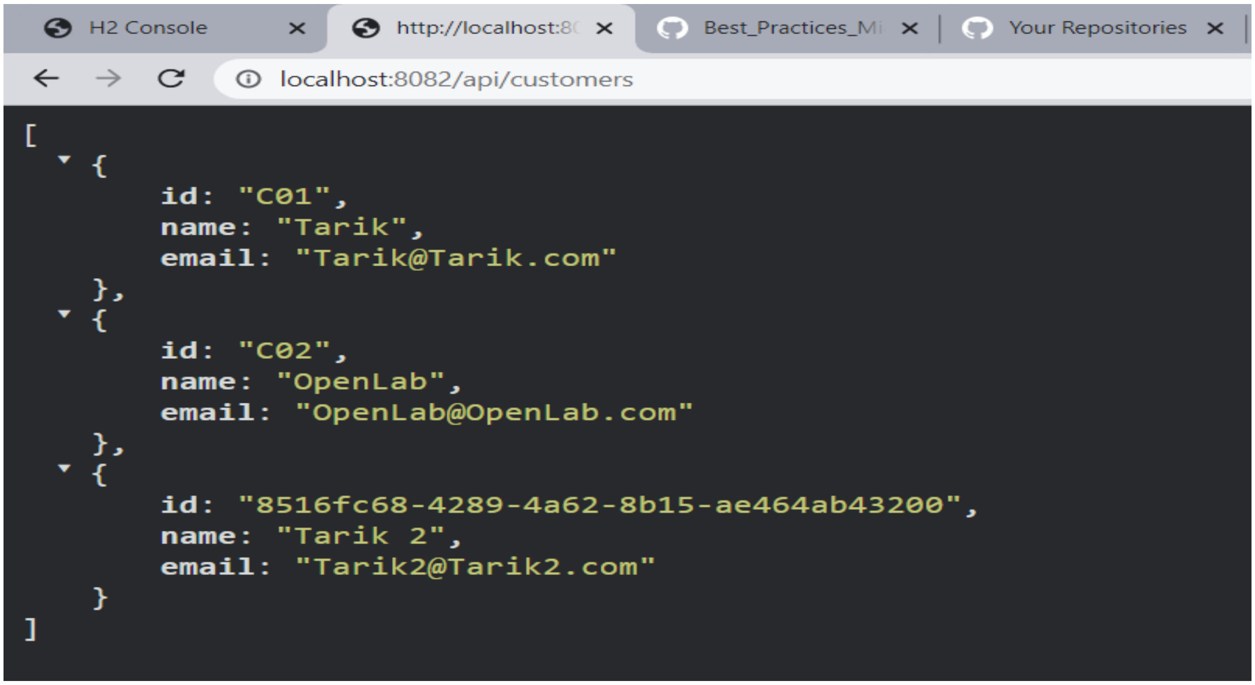
http://localhost:8082/api/customers

POST http://localhost:8082/api/customers

```
{
    "name": "Tarik 2",
    "email": "Tarik2@Tarik2.com"
}
```

Body — Status: 200 OK — Pretty JSON

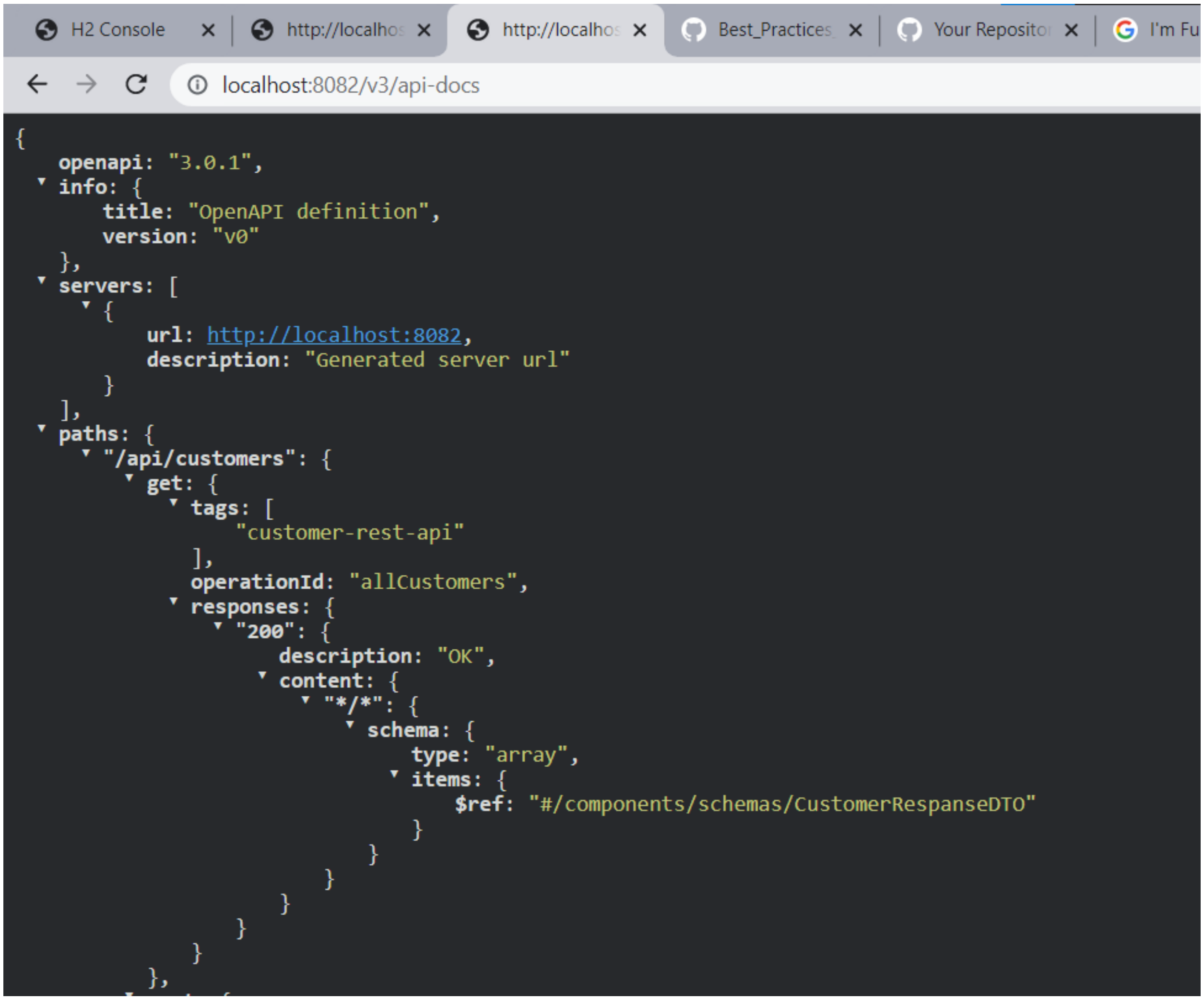
```
{
    "id": "8516fc68-4289-4a62-8b15-ae464ab43200",
    "name": "Tarik 2",
    "email": "Tarik2@Tarik2.com"
}
```



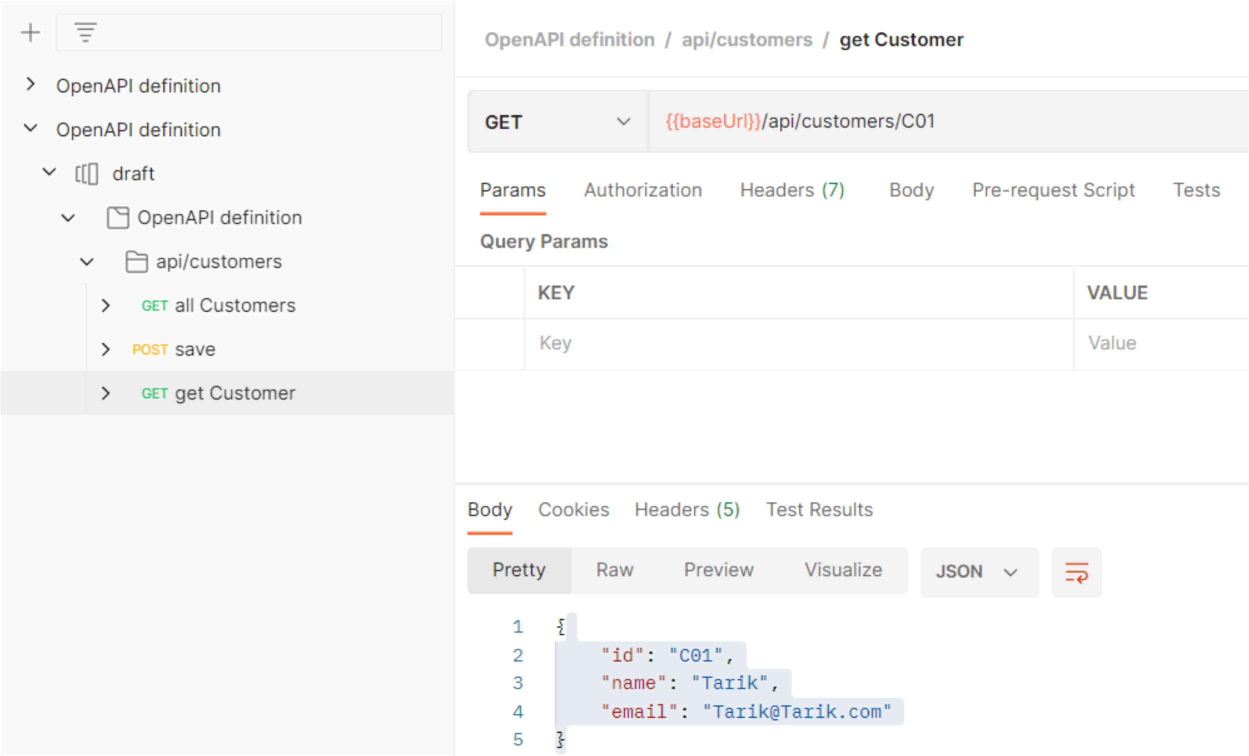
localhost:8082/api/customers

```
[
  ▾ {
        id: "C01",
        name: "Tarik",
        email: "Tarik@Tarik.com"
    },
  ▾ {
        id: "C02",
        name: "OpenLab",
        email: "OpenLab@OpenLab.com"
    },
  ▾ {
        id: "8516fc68-4289-4a62-8b15-ae464ab43200",
        name: "Tarik 2",
        email: "Tarik2@Tarik2.com"
    }
]
```

Documentation Api



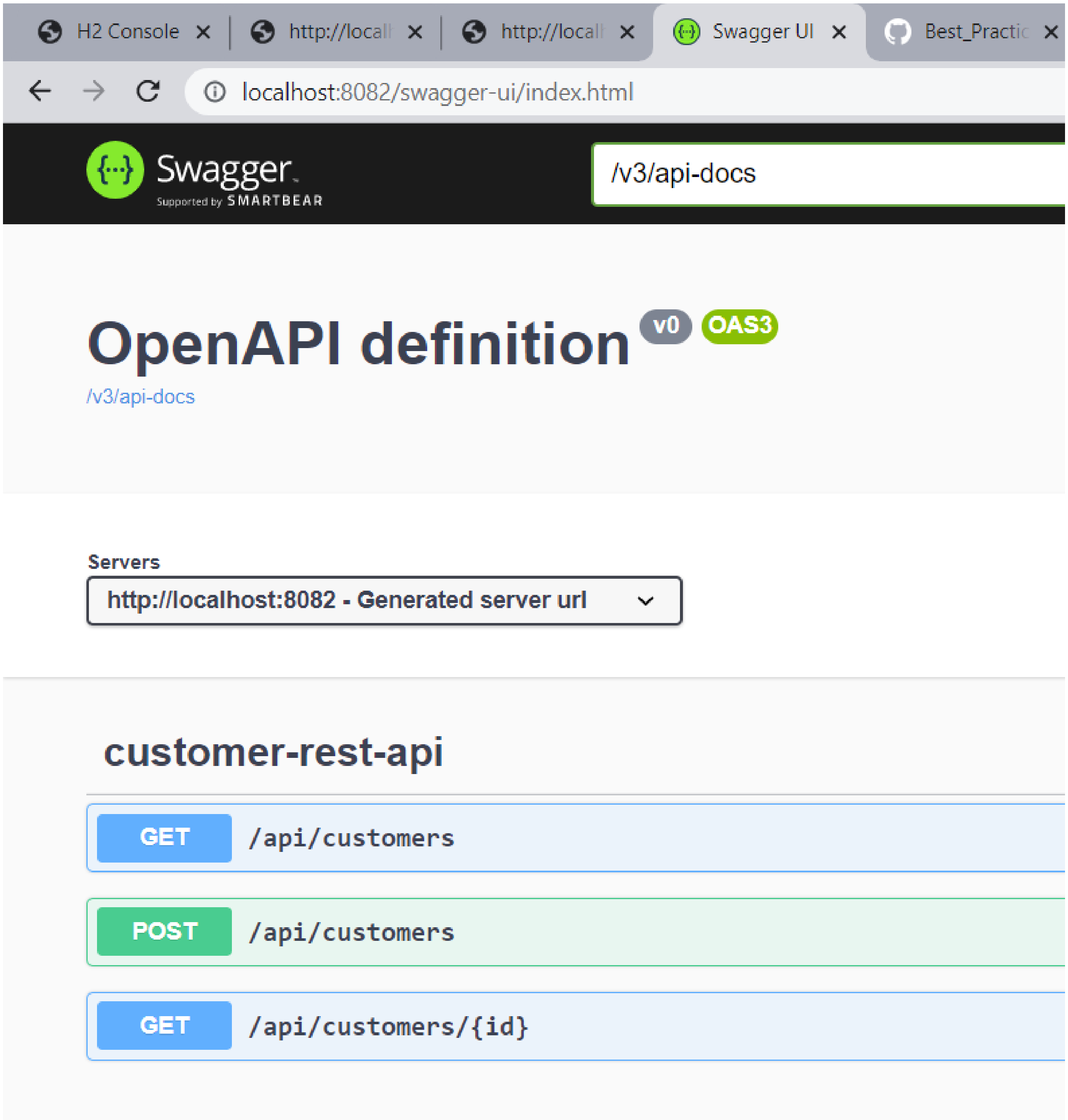
```
{
   openapi: "3.0.1",
 ▾ info: {
       title: "OpenAPI definition",
       version: "v0"
   },
 ▾ servers: [
     ▾ {
           url: http://localhost:8082,
           description: "Generated server url"
       }
   ],
 ▾ paths: {
     ▾ "/api/customers": {
         ▾ get: {
             ▾ tags: [
                   "customer-rest-api"
               ],
               operationId: "allCustomers",
             ▾ responses: {
                 ▾ "200": {
                       description: "OK",
                     ▾ content: {
                         ▾ "*/*": {
                             ▾ schema: {
                                   type: "array",
                                 ▾ items: {
                                       $ref: "#/components/schemas/CustomerRespanseDTO"
                                   }
                               }
                           }
                       }
                   }
               }
           },
```



GET {{baseUrl}}/api/customers/C01

KEY	VALUE
Key	Value

```
{
    "id": "C01",
    "name": "Tarik",
    "email": "Tarik@Tarik.com"
}
```



OpenAPI definition v0 OAS3

/v3/api-docs

Servers

http://localhost:8082 - Generated server url

customer-rest-api

GET /api/customers

POST /api/customers

GET /api/customers/{id}