

Compte Rendu

JPA, Hibernate, Spring Data, OneToMany, OneToOne

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Création des Patients et des Médecins

The screenshot shows a database client interface with a sidebar on the left containing a tree view of the database schema. The main area displays the results of two SQL queries. The first query, 'SELECT * FROM MEDECIN;', returns three rows of doctor data. The second query, 'SELECT * FROM PATIENT;', returns three rows of patient data.

Database Client Interface:

- Connection: jdbc:h2:mem:hospital
- Schema: INFORMATION_SCHEMA
- Tables: CONSULTATION, MEDECIN, PATIENT, RENDEZ_VOUS
- Sequences: Sequences
- Users: Users
- Version: H2 1.4.200 (2019-10-14)

SQL statement:

```
SELECT * FROM MEDECIN ;
SELECT * FROM PATIENT ;
```

Results:

SELECT * FROM MEDECIN :

ID	EMAIL	NOM	SPECIALITE
1	Mohammed@gmail.com	Mohammed	Dentiste
2	Yassine@gmail.com	Yassine	Cardio
3	Khalil@gmail.com	Khalil	Dentiste

(3 rows, 1 ms)

SELECT * FROM PATIENT :

ID	DATE_NAISSANCE	MALADE	NOM
1	2022-03-23	FALSE	AYOUB
2	2022-03-23	FALSE	HASSAN
3	2022-03-23	FALSE	Tarik

(3 rows, 0 ms)

Création d'un rendez-vous

The screenshot shows a database client interface with a sidebar on the left containing a tree view of the database schema. The main area displays the results of three SQL queries. The first query, 'SELECT * FROM PATIENT;', returns three rows of patient data. The second query, 'SELECT * FROM MEDECIN;', returns three rows of doctor data. The third query, 'SELECT * FROM RENDEZ_VOUS;', returns one row of rendez-vous data.

Database Client Interface:

- Connection: jdbc:h2:mem:hospital
- Schema: INFORMATION_SCHEMA
- Tables: CONSULTATION, MEDECIN, PATIENT, RENDEZ_VOUS
- Sequences: Sequences
- Users: Users
- Version: H2 1.4.200 (2019-10-14)

SQL statement:

```
SELECT * FROM PATIENT ;
SELECT * FROM MEDECIN ;
SELECT * FROM RENDEZ_VOUS ;
```

Results:

SELECT * FROM PATIENT :

ID	DATE_NAISSANCE	MALADE	NOM
1	2022-03-23	FALSE	AYOUB
2	2022-03-23	FALSE	HASSAN
3	2022-03-23	FALSE	Tarik

(3 rows, 1 ms)

SELECT * FROM MEDECIN :

ID	EMAIL	NOM	SPECIALITE
1	Mohammed@gmail.com	Mohammed	Cardio
2	Yassine@gmail.com	Yassine	Cardio
3	Khalil@gmail.com	Khalil	Dentiste

(3 rows, 0 ms)

SELECT * FROM RENDEZ_VOUS :

ID	DATE	STATUS	MEDECIN_ID	PATIENT_ID
1	2022-03-23 01:46:19.509	PENDING	1	1

(1 row, 1 ms)

Création d'une consultation



The screenshot shows a database client interface with a sidebar on the left listing database objects: `jdbc:h2:mem:hospital`, `CONSULTATION`, `ID`, `RAPPORT`, `DATE_CONSULTATION`, `RENDEZ_VOUS_ID`, `Indexes`, `MEDECIN`, `PATIENT`, `RENDEZ_VOUS`, `INFORMATION_SCHEMA`, `Sequences`, `Users`, and `H2 1.4.200 (2019-10-14)`.

The main area displays SQL queries and their results:

SQL statement: `SELECT * FROM RENDEZ_VOUS;`

ID	DATE	STATUS	MEDECIN_ID	PATIENT_ID
1	2022-03-23 01:54:28.269	PENDING	1	1

(1 row, 0 ms)

SQL statement: `SELECT * FROM CONSULTATION;`

ID	RAPPORT	DATE_CONSULTATION	RENDEZ_VOUS_ID
1	rapport de consultation	2022-03-23 01:54:28.269	1

(1 row, 1 ms)

Couche WEB pour l'affichage des données sous format JSON



The screenshot shows a web browser window with the address bar displaying `localhost:8086/patients`. The main content area displays a JSON array of patient data:

```
{
  "patients": [
    {
      "id": 1,
      "nom": "XOUG",
      "dateNaissance": "2022-03-23",
      "malade": false,
      "rendezVous": [
        {
          "id": 1,
          "date": "2022-03-23T01:57:18.318+00:00",
          "status": "PENDING",
          "medecin": {
            "id": 1,
            "nom": "XOUG",
            "email": "tommy@gmail.com",
            "specialite": "cardio"
          },
          "consultation": {
            "id": 1,
            "dateConsultation": "2022-03-23T01:57:18.318+00:00",
            "rapport": "rapport de consultation"
          }
        }
      ]
    },
    {
      "id": 2,
      "nom": "XOUG",
      "dateNaissance": "2022-03-23",
      "malade": false,
      "rendezVous": [
        {
          "id": 1,
          "date": "2022-03-23T01:57:18.318+00:00",
          "status": "PENDING",
          "medecin": {
            "id": 1,
            "nom": "XOUG",
            "email": "tommy@gmail.com",
            "specialite": "cardio"
          },
          "consultation": {
            "id": 1,
            "dateConsultation": "2022-03-23T01:57:18.318+00:00",
            "rapport": "rapport de consultation"
          }
        }
      ]
    },
    {
      "id": 3,
      "nom": "XOUG",
      "dateNaissance": "2022-03-23",
      "malade": false,
      "rendezVous": [
        {
          "id": 1,
          "date": "2022-03-23T01:57:18.318+00:00",
          "status": "PENDING",
          "medecin": {
            "id": 1,
            "nom": "XOUG",
            "email": "tommy@gmail.com",
            "specialite": "cardio"
          },
          "consultation": {
            "id": 1,
            "dateConsultation": "2022-03-23T01:57:18.318+00:00",
            "rapport": "rapport de consultation"
          }
        }
      ]
    }
  ]
}
```