

# Employee 클래스 생성, POST메서드

The screenshot displays the Talend API Tester interface. The top navigation bar includes 'API Tester', 'Requests', and 'Scenarios'. The left sidebar shows 'HISTORY', 'REPOSITORY', and 'MY DRIVE'. The main workspace is configured for a POST request to 'http://localhost:8080/employee'. The 'HEADERS' section shows 'Content-Type' set to 'application/json'. The 'BODY' section contains a JSON object: 

```
{
  "id" : 1,
  "name" : "윤희준",
  "department" : "백엔드",
  "age" : 24
}
```

. The 'Response' section shows a '200' status code and a 'text/plain; charset=UTF-8' content type. The response body is 'User{id=1, name='윤희준', department='백엔드', age='24'}'. The bottom bar includes 'HISTORY', 'ASSERTIONS', 'HTTP', and 'DESCRIPTION' tabs.

Talend API Tester - Free Edition chrome-extension://aejoelaoggembcahagimdiliamlcdmfm/index.html

API Tester | Requests | Scenarios | Help

METHOD: POST SCHEME: // HOST: localhost PORT: 8080 PATH: /employee

QUERY PARAMETERS

HEADERS: Content-Type: application/json

BODY: { "id" : 1, "name" : "윤희준", "department" : "백엔드", "age" : 24 }

Response: 200

Cache Detected - Elapsed Time: 189ms

HEADERS: Content-Type: text/plain; charset=UTF-8, Content-Length: 61 bytes, Date: Sun, 12 May 2024 15:44:58 GMT

BODY: User{id=1, name='윤희준', department='백엔드', age='24'}

HISTORY | ASSERTIONS | HTTP | DESCRIPTION

Export | Import | Project

# 테이블 결과

jdbc:h2:~/test

EMPLOYEE

STUDENT

INFORMATION\_SCHEMA

Sequences

Users

H2 2.2.224 (2023-09-17)

RunRun SelectedAuto completeClearSQL statement:

SELECT \* FROM EMPLOYEE

SELECT \* FROM EMPLOYEE;

ID	AGE	DEPARTMENT	NAME
1	20	백엔드	멋사1
2	21	프론트	멋사2
3	50	기획디자인	멋사3

(3 rows, 0 ms)

Edit

## 2-1

The screenshot shows the H2 Console web application interface. The browser address bar displays the URL: `localhost:8080/h2-console/login.do?sessionId=963d043d4732098283093ab9b322c37d`. The console toolbar includes buttons for Run, Run Selected, Auto complete, and Clear, along with a text input for the SQL statement.

The SQL statement entered is:

```
UPDATE EMPLOYEE  
SET DEPARTMENT = '백엔드'  
WHERE DEPARTMENT = '프론트';  
SELECT * FROM EMPLOYEE;
```

The execution results are displayed below the SQL statement, showing the update count and the resulting data from the EMPLOYEE table.

UPDATE EMPLOYEE  
SET DEPARTMENT = '백엔드'  
WHERE DEPARTMENT = '프론트';  
Update count: 0  
(0 ms)

SELECT \* FROM EMPLOYEE;

ID	AGE	DEPARTMENT	NAME
1	20	백엔드	멋사1
2	21	백엔드	멋사2
3	50	기획디자인	멋사3

(3 rows, 0 ms)

## 2-2

The screenshot shows the H2 Console interface. The left sidebar displays the database structure: jdbc:h2:~/test, EMPLOYEE, STUDENT, INFORMATION\_SCHEMA, Sequences, Users, and H2 2.2.224 (2023-09-17). The main area shows the execution of two SQL statements. The first statement is a DELETE operation on the EMPLOYEE table, which successfully deleted 1 row. The second statement is a SELECT query that returns 2 rows of data from the EMPLOYEE table.

Run Run Selected Auto complete Clear SQL statement:

```
DELETE FROM EMPLOYEE
WHERE AGE = 50;
SELECT * FROM EMPLOYEE;
```

DELETE FROM EMPLOYEE  
WHERE AGE = 50;  
Update count: 1  
(1 ms)

SELECT \* FROM EMPLOYEE;

ID	AGE	DEPARTMENT	NAME
1	20	백엔드	멋사1
2	21	백엔드	멋사2

(2 rows, 0 ms)

## 2-3

The screenshot shows the H2 Console interface in a web browser. The address bar shows the URL: `localhost:8080/h2-console/login.do?sessionId=963d043d4732098283093ab9b322c37d`. The console toolbar includes options for `Auto commit` (checked), `Max rows` (set to 1000), `Auto complete` (Off), and `Auto select` (On).

The left sidebar shows the database structure for `jdbc:h2:~/test`, including tables `EMPLOYEE` and `STUDENT`, an `INFORMATION_SCHEMA`, `Sequences`, and `Users`.

The main area shows the SQL statement being executed:

```
INSERT INTO EMPLOYEE(id, name, department, age)
VALUES(4, '멋사4', '프론트', 23);
SELECT * FROM EMPLOYEE;
```

The execution results show the update count and the resulting data:

INSERT INTO EMPLOYEE(id, name, department, age)  
VALUES(4, '멋사4', '프론트', 23);  
Update count: 1  
(0 ms)

SELECT \* FROM EMPLOYEE;

ID	AGE	DEPARTMENT	NAME
1	20	백엔드	멋사1
2	21	백엔드	멋사2
4	23	프론트	멋사4

(3 rows, 8 ms)