

w16-p1: create book_xx in postgresQL server, enter two data

The screenshot shows the pgAdmin 4 interface. On the left, the 'Databases (8)' tree is expanded to 'crown2_76(1102)', then 'Schemas (1)', and finally 'public'. The 'Tables (4)' list includes 'book_76', 'category_76', 'hats_76', and 'shop_76'. The 'book_76' table is selected. On the right, the 'Query Editor' shows a SQL query: `SELECT * FROM public.book_76 ORDER BY id ASC`. Below the query, the 'Data Output' tab displays the results of the query in a table format.

id	name	author
1	JavaScript Primers	Brad
2	Nodejs	John

w16-p2: get all data from table book_xx

The screenshot shows a web application running on localhost:3000/book_76. The application displays a table of books with columns: Id, Name, Author, Price, and Action. The data is as follows:

Id	Name	Author	Price	Action
1	JavaScript Primers	Brad	100	Edit Delete
2	Nodejs	John	100	Edit Delete

The application also includes an 'Add Book' button and a header with the text '207410076 Doris Hsieh'.

w16-p3: /book_xx/create to book_xx/add_xx.ejs

The screenshot displays a development environment with three main components:

- Code Editor (Visual Studio Code):** Shows the `book_76.js` file with the following code:

```
1 var express = require("express");
2 var router = express.Router();
3
4 const db = require("../utils/database");
5 /* GET home page. */
6 router.get("/", async (req, res) => { ...
22 });
23
24 router.get("/create", (req, res) => {
25   res.render("book_76/add_76", {
26     id: "207410076",
27     name: "Doris Hsieh",
28   });
29 });
30 module.exports = router;
31
```

The code is highlighted with a red box.
- Terminal:** Shows the output of the application running on Node.js 2.0.15. It includes messages about watching files and extensions, and the results of GET requests to `/books_76/create` and `/book_76`. The results show a JSON object with book details.
- Web Browser:** Displays the `localhost:3000/book_76/create` page. The page title is "207410076 Doris Hsieh". It contains a form titled "Add Book" with input fields for "Id:", "Name:", and "Author:". There is an "Add" button at the bottom of the form.

w16-p4: POST /book_xx/create to create a book data

207410076 Doris Hsieh

Books

Add Book

Id	Name	Author	Price	Action
1	JavaScript Primers	Brad	100	Edit Delete
2	Nodejs	John	100	Edit Delete
3	DB	Jim	100	Edit Delete

```

1 var express = require("express");
2 var router = express.Router();
3
4 const db = require("../utils/database");
5 //CREATE
6 router.post("/create", async (req, res) => {
7   console.log("body", req.body);
8   const id = req.body.id;
9   const name = req.body.name;
10  const author = req.body.author;
11  const price = req.body.price;
12
13  try {
14    const query = {
15      text: `INSERT INTO book_76(id,name,author,price) VALUES ($1,$2,$3,$4);`,
16      values: [id, name, author, price],
17    };
18    await db.query(query);
19    res.redirect("/book_76");
20  } catch (err) {
21    console.log(err);
22  }
23 });
24
25 //READ
26 router.get("/", async (req, res) => { ...
27 });
28
29 router.get("/create", (req, res) => {
30   res.render("book_76/add_76", { ...
31 });
32
33
34
35
36
37
38
39
40
41

```

```

POST /book_76/create 302 340.018 ms - 60
results [{"id":1,"name":"Javascript Primers","author":"Brad","price":100}, {"id":2,"name":"Nodejs","author":"John","price":200}, {"id":3,"name":"DB","author":"Jim","price":50}]
GET /book_76 200 10.113 ms - 4901

```

last log

```

Doris@LAPTOP-LUHQ0B5 MINGW64 /c/1102-db-76 (main)
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-06-06"
10a3ff1 chen945 Tue Jun 7 18:19:03 2022 +0800 w16-p4: POST /book_xx/create to create a book data
641fd9a chen945 Tue Jun 7 17:20:47 2022 +0800 ### w16-p3: /book_xx/create to book_xx/add_xx.ejs
234afa5 chen945 Tue Jun 7 17:05:42 2022 +0800 ### w16-p2: get all data from table book_xx
322a4f8 chen945 Tue Jun 7 16:44:03 2022 +0800 ### w16-p1: create book_xx in postgresQL server, enter two data

```

```

$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-06-06"
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```

```
641fd9a chen945 Tue Jun 7 17:20:47 2022 +0800   ### w16-p3: /book_xx/create to
book_xx/add_xx.ejs
234afa5 chen945 Tue Jun 7 17:05:42 2022 +0800   ### w16-p2: get all data from
table book_xx
322a4f8 chen945 Tue Jun 7 16:44:03 2022 +0800   ### w16-p1: create book_xx in
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```