

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

Query

```
1 SELECT * FROM public.book_32
2 ORDER BY id ASC
```

Data output

id	name	author
1	JavaScript Primers	Brad Traversy
2	Nodejs	John Smilga

w16-p2: get all data from table book_xx

```
const getBooks = async () => {
  const client = await pg.connect({
    host: 'localhost',
    port: 5432,
    database: 'postgres',
    user: 'postgres',
    password: 'postgres'
  });
  const query = `SELECT * FROM public.book_32`;
  const result = await client.query(query);
  return result.rows;
};
```

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id	Name	Author	Price	Action
1	JavaScript Primers	Brad Traversy	100	<button>Edit</button> <button>Delete</button>
3	Nodejs	John Smilga	100	<button>Edit</button> <button>Delete</button>

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

```
const addBook = async (req, res) => {
  const { name, author, price } = req.body;
  const client = await pg.connect({
    host: 'localhost',
    port: 5432,
    database: 'postgres',
    user: 'postgres',
    password: 'postgres'
  });
  const query = `INSERT INTO public.book_32 (name, author, price) VALUES ($1, $2, $3)`;
  const values = [name, author, price];
  await client.query(query, values);
  res.status(201).json({ message: 'Book added successfully' });
};
```

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Add Book

id:

Name:

Author:

price:

Add

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

```

1 <meta charset="utf-8">
2 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
3 <title>Add Book</title>
4 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
5 </head>
6 <body>
7   <div class="container" style="width: 100%; height: 100%; text-align: center;">
8     <h2>Add Book</h2>
9     <div class="card">
10       <div class="card-header">
11         Add Book
12       </div>
13       <div class="card-body">
14         <form action="/book_32/create" method="post">
15           <div class="form-group">
16             <label>Id:</label>
17             <input type="text" class="form-control" name="id" value="" autocomplete="off">
18           </div>
19           <div class="form-group">
20             <label>Name:</label>
21             <input type="text" class="form-control" name="name" value="" autocomplete="off">
22           </div>
23           <div class="form-group">
24             <label>Author:</label>
25             <input type="text" class="form-control" name="author" value="" autocomplete="off">
26           </div>
27           <div class="form-group">
28             <label>Price:</label>
29             <input type="text" class="form-control" name="price" value="" autocomplete="off">
30           </div>
31           <button type="submit" class="btn btn-primary">Add Book</button>
32         </form>
33       </div>
34     </div>
35   </div>
36 </body>
37 </html>

```

```

1 router.post('/create', handler async (req, res) => {
2   console.log('body', req.body);
3   const id = req.body.id;
4   const name = req.body.name;
5   const author = req.body.author;
6   const price = req.body.price;
7
8   try {
9     const query = {
10       text: `INSERT INTO book_32 (id, name, author, price)
11         VALUES ($1, $2, $3, $4)`,
12       values: [id, name, author, price],
13     };
14     await db.query(query);
15     res.redirect('/book_32');
16   } catch (e) {
17     console.log(e);
18   }
19 });
20
21 module.exports = router;

```

```

> crown-32@0.0.0 start
> node ./bin/www

body {Object: null prototype} {
  id: '5',
  name: 'Databases',
  author: 'Jim Collin',
  price: '59'
}
POST /book_32/create 302 114.469 ms - 0
results [{"id":1,"name":"JavaScript Primers","author":"Brad Traversy","price":100},{id:3,"name":"Nodejs","author":"John Smitga","price":200},{id:5,"name":"Databases","author":"Jim Collin","price":59}]
GET /book_32 200 14.434 ms - 4344

```

```

1 router.post('/create', handler async (req, res) => {
2   console.log('body', req.body);
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4   const name = req.body.name;
5   const author = req.body.author;
6   const price = req.body.price;
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8   try {
9     const query = {
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```

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Books					Add Book	
Id	Name	Author	Price	Action		
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5	Databases	Jim Collin	100	Edit	Delete	

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

```
91f0a66 roberttt456      Thu Jun 16 20:19:22 2022 +0800  w16 p2~p4
8d807b2 roberttt456      Thu Jun 16 19:27:34 2022 +0800  w16
8474e4d roberttt456      Thu Jun 16 19:26:41 2022 +0800  w17
```