

Visual Studio Code and Postman screenshots showing the initial setup for a REST API.

Visual Studio Code: The Explorer shows the project structure. The `controllers/crown2Controller_16.js` file contains the `createProducts` function, which is highlighted with a yellow box. The pgAdmin 4 window shows a query: `SELECT * FROM public.shop_xx`, with the results table displayed below.

id	name	cat_id	price	remote
34	Jean Long Sleeve	5	40	https://...
35	Burgundy T-shirt	5	25	https://...
36	hat1	1	115.99	https://...

Postman: A new POST request is configured for `http://localhost:3000/crown2_xx/product_16`. The body is set to JSON, and the content is highlighted with a yellow box:

```
{
  "msg": "create -- body data received",
  "data": {
    "command": "INSERT",
    "rowCount": 1,
    "oid": 0,
    "rows": [],
    "fields": [],
    "_types": {
      "arrayParser": {},
      "builtins": {
        "BOOL": 16,
        "BYTEA": 17,
        "CHAR": 18,
        "INT8": 20,
        "INT2": 21,
        "INT4": 23,
        "REGPROC": 24,
        "TEXT": 25,
        "OID": 26,
        "TID": 27,

```

Visual Studio Code and Postman screenshots showing the implementation of the `deleteProducts` function and the corresponding REST API request.

Visual Studio Code: The `controllers/crown2Controller_16.js` file shows the `deleteProducts` function, which is highlighted with a white box. The terminal window shows the command `delete id 49` and the response `DELETE /crown2_xx/product_16/49 200 94.378 ms - 1053`.

Postman: A new DELETE request is configured for `http://localhost:3000/crown2_xx/product_16/49`. The body is set to JSON, and the content is highlighted with a yellow box:

```
{
  "msg": "Deletion successful",
  "data": {
    "command": "DELETE",
    "rowCount": 1,
    "oid": null,
    "rows": [],
    "fields": [],
    "_types": {
      "arrayParser": {},
      "builtins": {
        "BOOL": 16,
        "BYTEA": 17,
        "CHAR": 18,
        "INT8": 20,
        "INT2": 21,
        "INT4": 23,
        "REGPROC": 24,
        "TEXT": 25,
        "OID": 26,
        "TID": 27,

```

Visual Studio Code and Postman screenshots showing a REST API update endpoint and its database results.

Visual Studio Code (Shop_xxjs - 1102-2C-mid-stud-xx - Visual Studio Code)

```
static async update(body){
  console.log('update body',body);
  const { id, name, cat_id, price, remote_url, local_url } = body;
  const query = {
    text: 'UPDATE shop_xx SET name = $1, cat_id = $2, price = $3, remote_url = $4, local_url = $5 WHERE id = $6',
    values: [name, cat_id, price, remote_url, local_url, id]
  };
  return db.query(query);
}
```

Postman (1102-2c-crown2 / New Request)

POST http://localhost:3000/crown2_xx/product16/update

Body (raw):

```
{
  "id": "49",
  "name": "hat2",
  "cat_id": "2",
  "price": "129.99",
  "remote_url": "https://i.libb.co/XzcwL5s/black-she",
  "local_url": ""
}
```

pgAdmin 4 (public.shop_xx/crown16/postgres@PostgreSQL 13)

Query Editor: `SELECT * FROM public.shop_xx`

Data Output:

id	name	cat_id	price	remote_url
33	Pink T-shirt	5	25	https://i.libb.co/RvwnBL8/pink-shirt.png
34	Jean Long Sleeve	5	40	https://i.libb.co/VpW4x5t/roll-up-jean-shi
35	Burgundy T-shirt	5	25	https://i.libb.co/mh3VM1f/polka-dot-shi
36	hat2	2	129.99	https://i.libb.co/XzcwL5s/black-shearling