

## w14-p1: save a product to postgresSQL server, show code and new data in pgAdmin

The screenshot displays the process of saving a product to a PostgreSQL server. It is divided into three main sections:

- Code Editor (Left):** Shows the `createProducts` function in `controllers/crown2controllers_58.js`. The function uses `shop_58.create` to save the product data to the database. A red box highlights the function definition.
- API Client (Right):** Shows a POST request to `http://localhost:3000/crown2_58/products_58`. The request body is a JSON object containing product details. A red box highlights the request body.
- Database (Bottom):** Shows the `products` table in the `postgres` database. The table contains two rows of data. A red box highlights the table structure and data.

**Code Editor Snippet:**

```
//create
exports.createProducts = async (req,res) =>{
  console.log('body',req.body);
  try {
    let results = await shop_58.create(req.body);
    console.log('results',JSON.stringify(results));
    res.json({
      msg : 'create -- body data received',
      data: results,
    });
  }catch (err) {
    console.log('err',err);
  }
};

exports.getcategories = async (req,res) => {
  try{
    let results=await category_58.fetchAll();
```

**API Client Request Body:**

```
{
  "id": "58",
  "name": "hat1",
  "cat_id": "1",
  "price": "115.99",
  "remote_url": "https://i.ibb.co/M6hHc3F/brown-trench.png",
  "local_url": ""
}
```

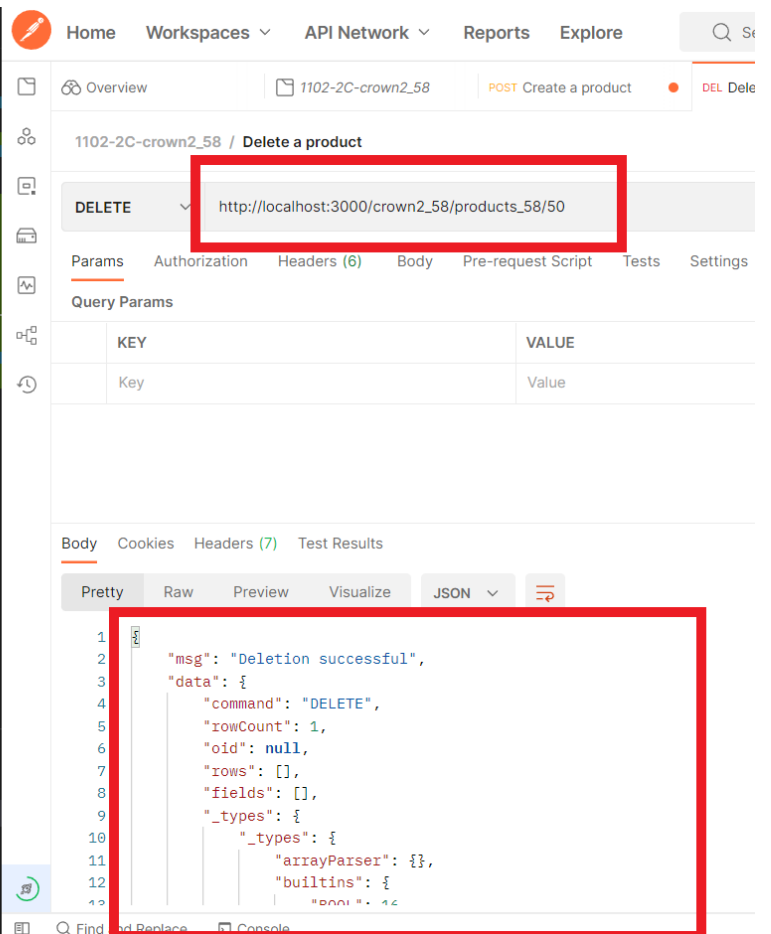
**Database Table Data:**

id	name	cat_id	price	remote_url
40	Burgundy T-shirt	5	25	https://i.ibb.co/mh3VM1f/pc
50	hat1	1	115.99	https://i.ibb.co/M6hHc3F/br

## w14-p2: delete a product using route /product\_xx/:id

```
controllers > JS crown2controllers_58.js > deleteProduct > deleteProduct
34
35 > exports.getProductsBycategory = async (req,res) => { ...
54 };
55
56 //delete
57 exports.deleteProduct = async (req,res) => {
58   console.log('delete id',req.params.id);
59   try{
60     const results = await shop_58.deleteById(req.params.id);
61     res.json({
62       msg: 'Deletion successful',
63       data:results,
64     });
65   }catch(err){
66     console.log(err);
67   }
68 };
69
```

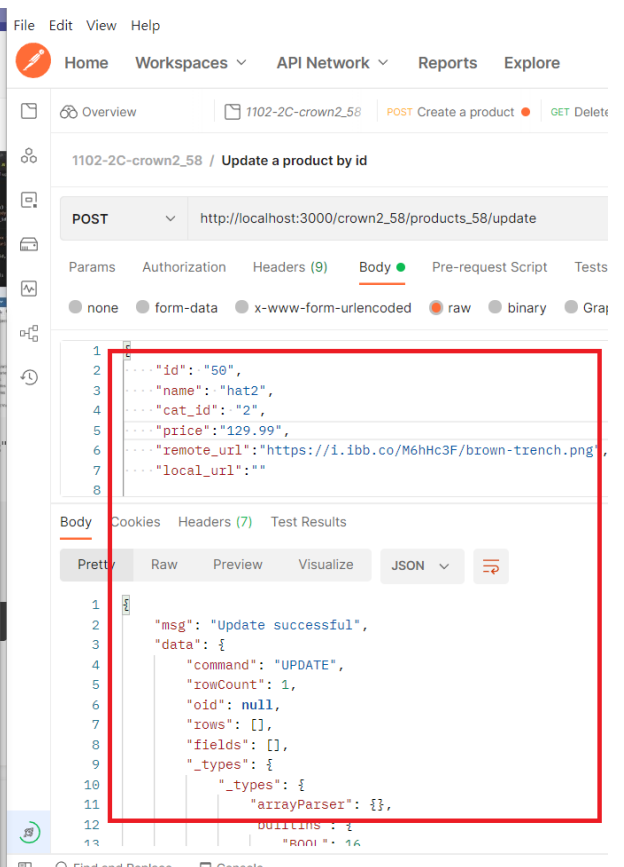
```
[nodemon] starting `node ./bin/www`
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
delete id 50
DELETE /crown2_58/products_58/50 200 170.214 ms - 1053
```



## w14-p3: update a product using route /product\_xx/update/:id

```
models > JS shop_58.js M X JS crown2controllers_58.js M JS w14_58.md U JS crown2_58.js M
models > JS shop_58.js > shop_58 > update > query
55
56 //update
57
58 static async update(body){
59   console.log('update body',body);
60   const {id,name,cat_id,price,remote_url,
61     local_url}=body;
62   const query = {
63     text: `UPDATE shop_58 SET name = $1 , cat_id=
64       $2, price = $3, remote_url=$4,
65       local_url=$5 WHERE id = $6`,
66     values:[name,cat_id,price,remote_url,
67       local_url,id],
68   };
69   return db.query(query);
70 }
71
72 //delete
73 static async deleteById(id){
74   const query = {
75     text: `DELETE FROM shop_58 WHERE id = $1`,
76     values:[id],
77   };
78   return db.query(query);
79 }
80
```

id	name	cat_id	price	remote_url	local_url
30	35	Camo Down Vest	5	325	https://i.libb.co/xJS0T3Y/camo-vest.png
31	36	Floral T-shirt	5	20	https://i.libb.co/qMQ75QZ/floral-shirt.png
32	37	Black & White Longsleeve	5	25	https://i.libb.co/55z32tw/long-sleeve.png
33	38	Pink T-shirt	5	25	https://i.libb.co/RvwnBL8/pink-shirt.png
34	39	Jean Long Sleeve	5	40	https://i.libb.co/VpW4x5t/roll-up-jean-shirt.png
35	40	Burgundy T-shirt	5	25	https://i.libb.co/mh3VM1f/polka-dot-shirt.png
36	50	hat2	2	129.99	https://i.libb.co/M6hHc3F/brown-trench.png



## w14-last-log

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-05-23"
4ffa59a 409411658      Wed May 25 00:10:43 2022 +0800  w14-p3: update a product using route /product_xx/update/:
```