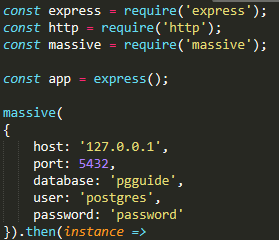
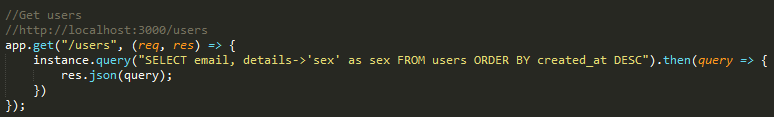
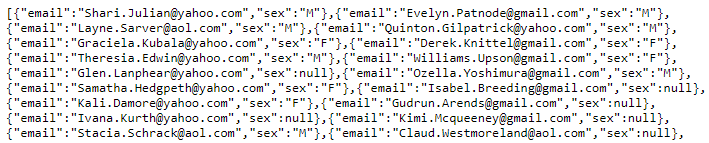
**Set up massive:**



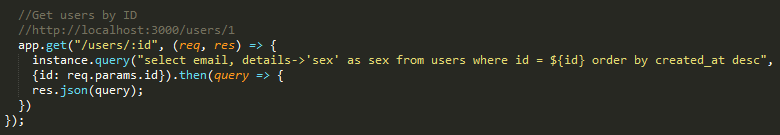
**Get all users:**



**Get all users results:**



**Get users by ID:**

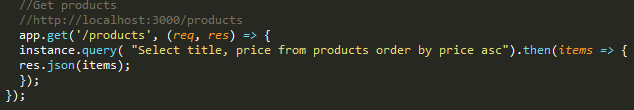


**Get user by ID results:**





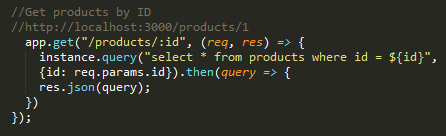
**Get all products:**



**Get all product results:**



**Get product by ID:**

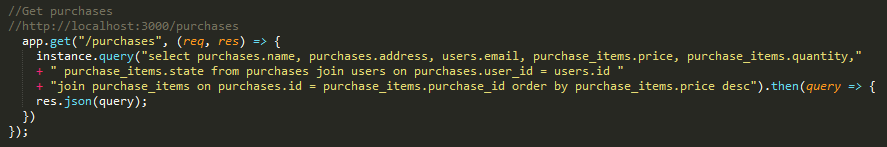


**Get product by ID results:**

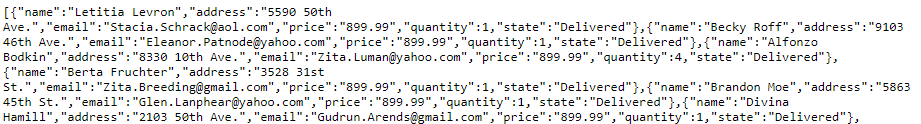




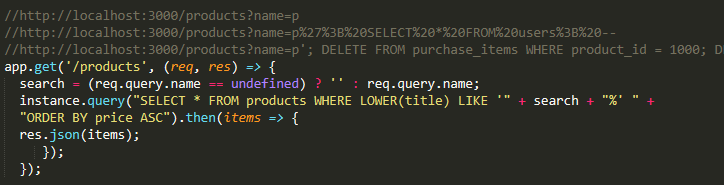
**Get purchases:**



**Get purchase result:**



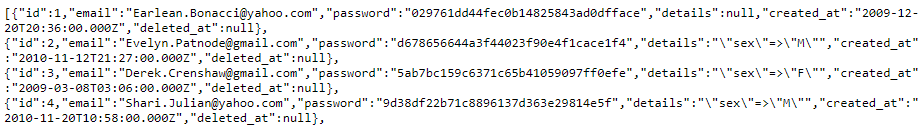
**Extending product endpoint to allow filtering of products by name and the products table allows possible sql injection:**

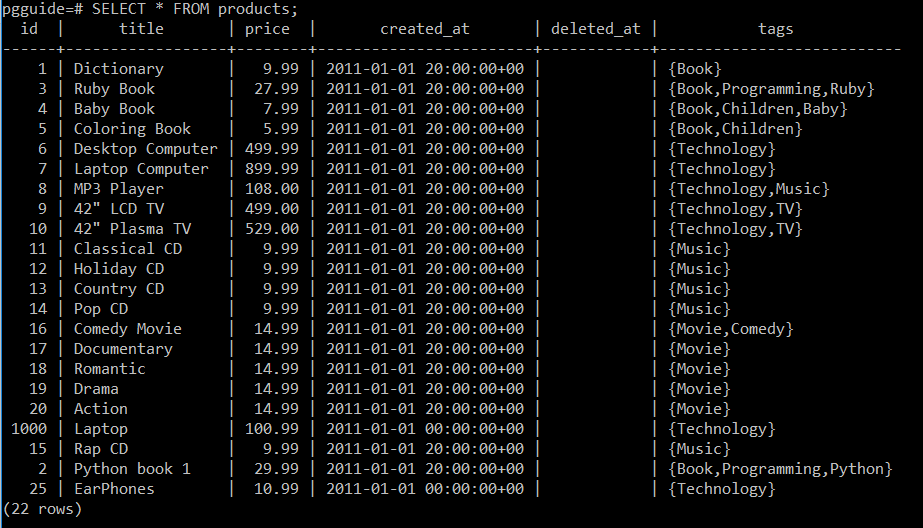


**Filtering results (filter by p):**

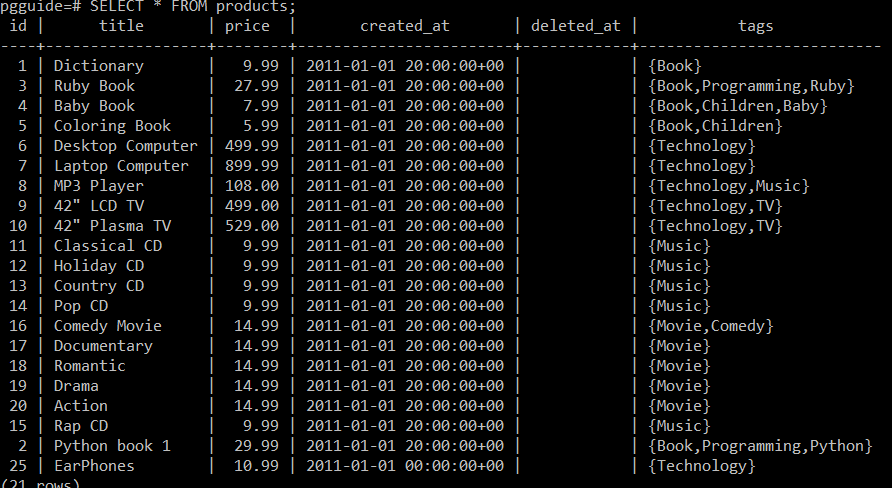


**SQL Injection (gets everything from user table):**

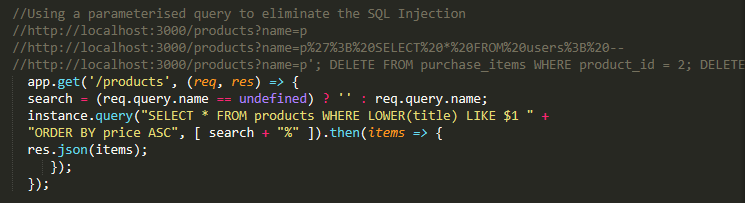


**SQL Injection (Delete product where id 1000 before):**

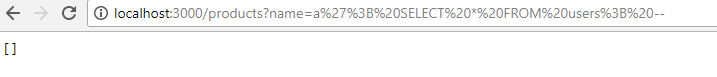
**SQL Injection (Delete product where id 1000 after):**



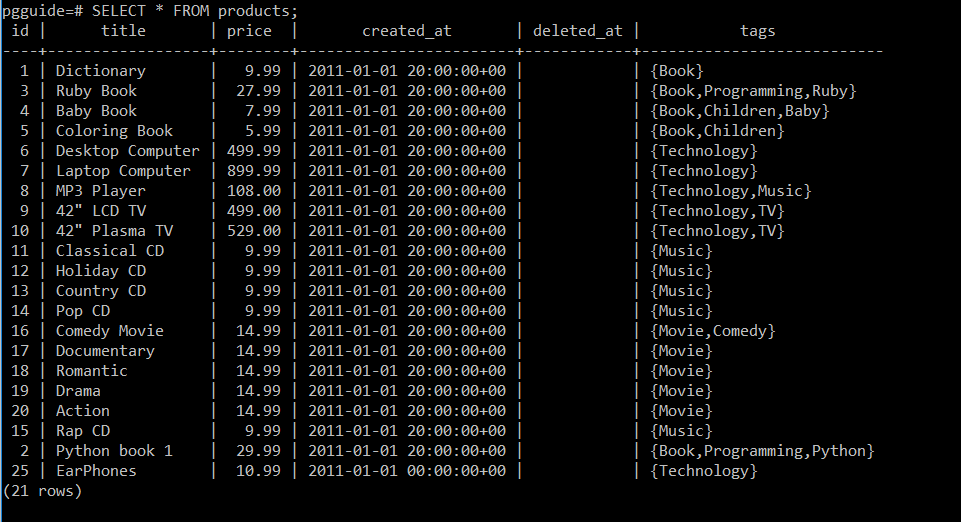
**Stopping SQL injection with parameterised query:**



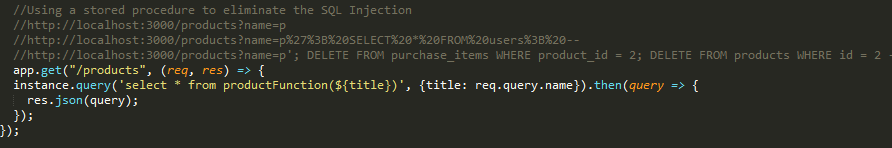
**Stopping SQL injection with parameterised query results:**

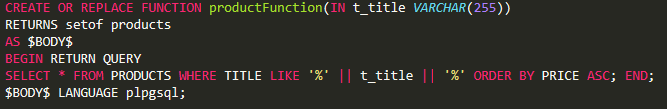


**Stopping SQL injection and deletion with parameterised query results (id 2 remains):**

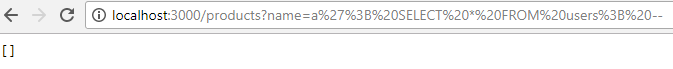


**Stopping SQL injection with stored procedure:**

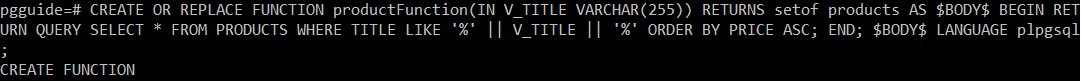




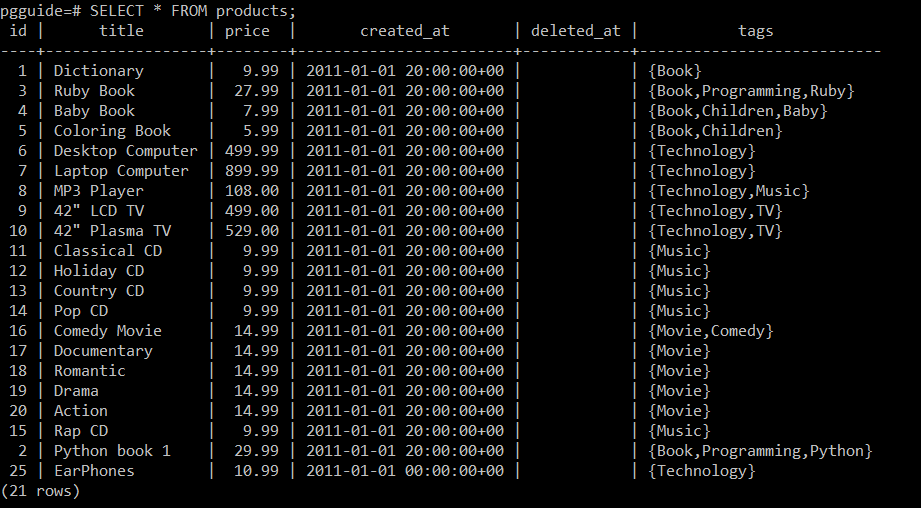
**Stopping SQL injection with stored result:**



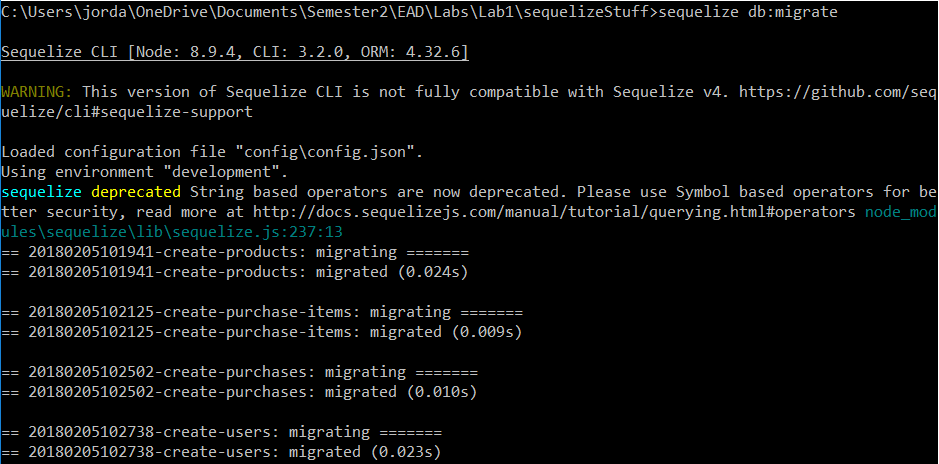
**Function ran into postgres:**



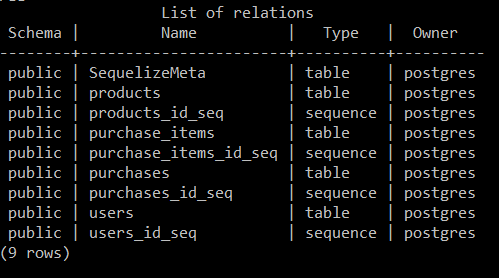
**Stopping SQL injection and deletion with stored procedure results (id 2 remains):**



**Migrating db to sequelize:**



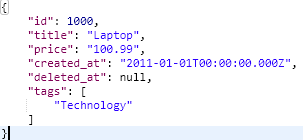
**Updated db:**

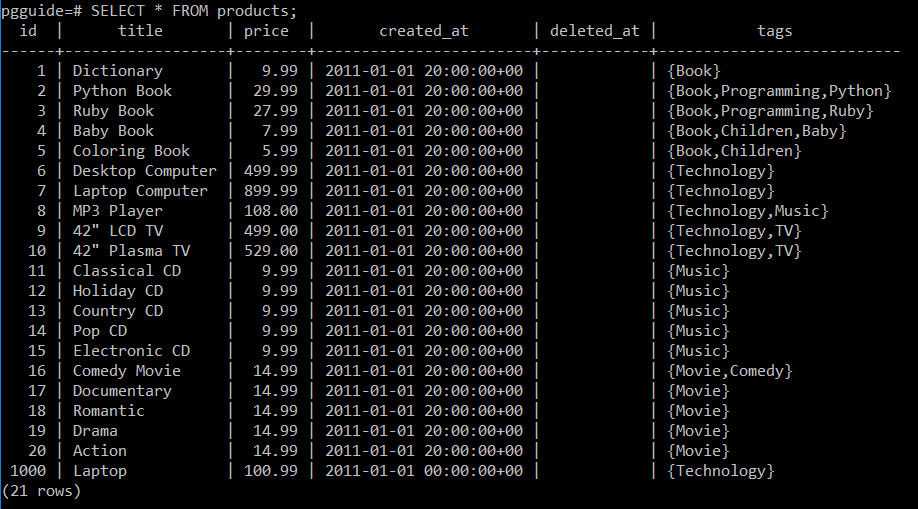
****

**Code to insert new data into database products table using sequelize:**

http://localhost:8000/api/products?id=1000&title=Laptop&price=100.99&created\_at=2011-01-01&tags={Technology}

**Results of inserts into product table:**



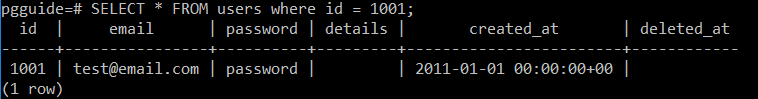


**Code to insert new data into database users table using sequelize:**

http://localhost:8000/api/users?id=1001&email=test@email.com&password=password&created\_at=2011-01-01

**Results of inserts into users table:**

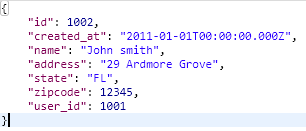


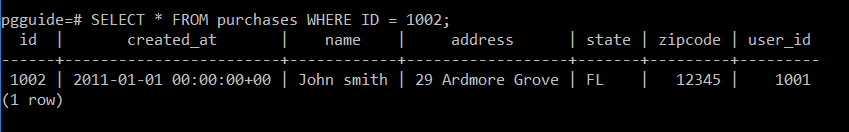


**Code to insert new data into database purchases table using sequelize:**

http://localhost:8000/api/purchases?id=1002&created\_at=2011-01-01&name=John smith&address=29 Ardmore Grove&state=FL&zipcode=12345&user\_id=1001

**Results of inserts into purchases table:**

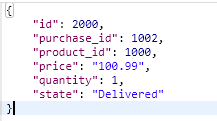


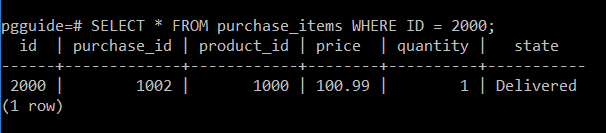


**Code to insert data into database purchase\_items table using sequelize:**

http://localhost:8000/api/purchase\_items?id=1003&purchase\_id=1002&product\_id=1000&price=100.99&quantity=1&state=Delivered

**Results of inserts into purchase\_items table:**

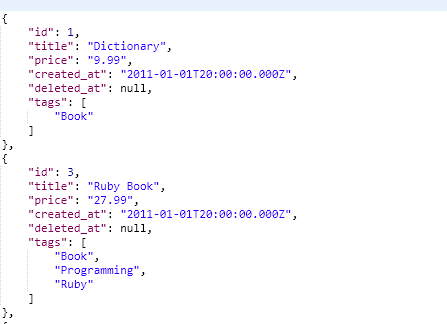




**Search for all products using sequelize:**

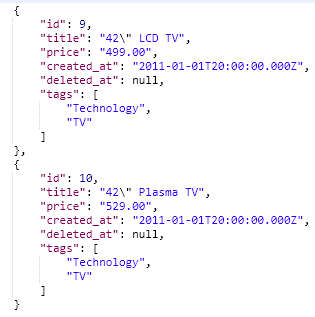


**Results of all products searched using sequelize:**



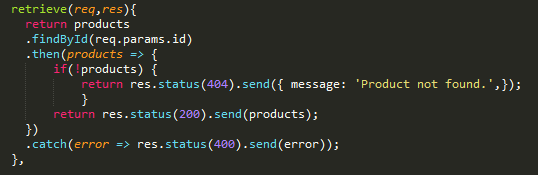
**Search for product TV using sequelize:**





**Search for a specific product using sequelize:**



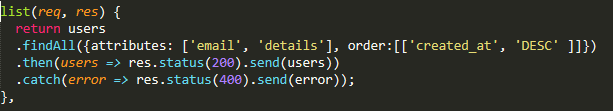


**Results of product searched using sequelize:**



**Search for all users showing email and details. Order by date created using sequelize:**





**Results of search showing email and details:**



**Search for all users using sequelize:**



**Results of users using sequelize:**



**Search for a specific user using sequelize:**



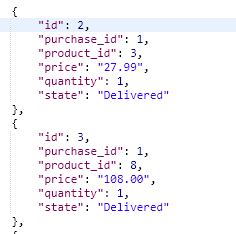
**Results of user searched using sequelize:**



**Search for all purchase\_items using sequelize:**



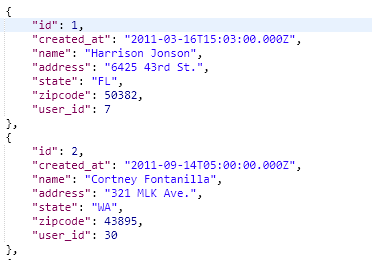
**Results of purchase\_items using sequelize:**



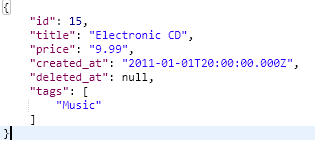
**Search for all purchases using sequelize:**



**Results of purchases using sequelize:**

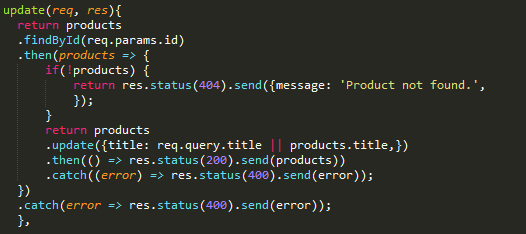


**Update existing product using sequelize:**

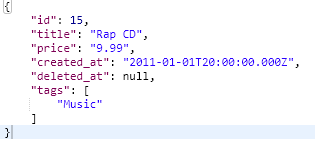


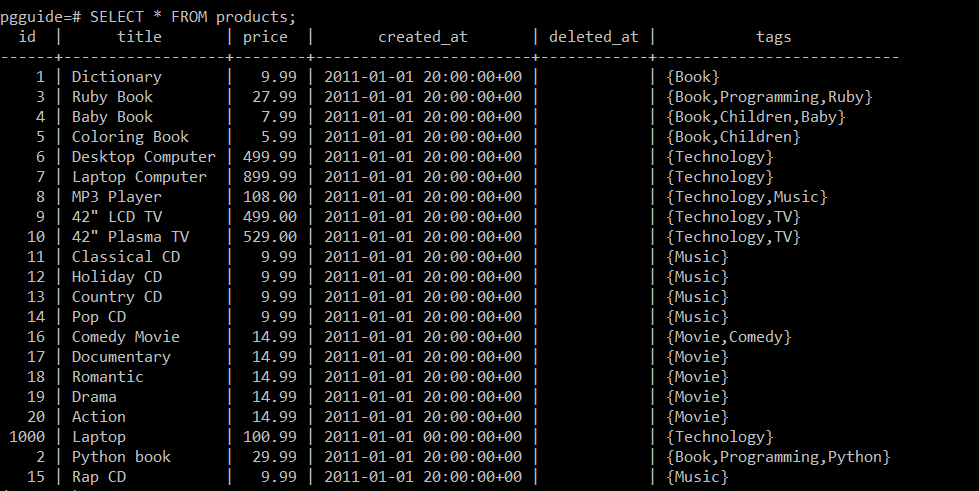
**Query to update product table using sequelize:**



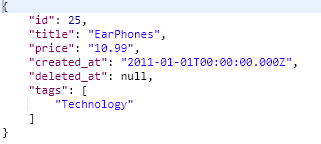


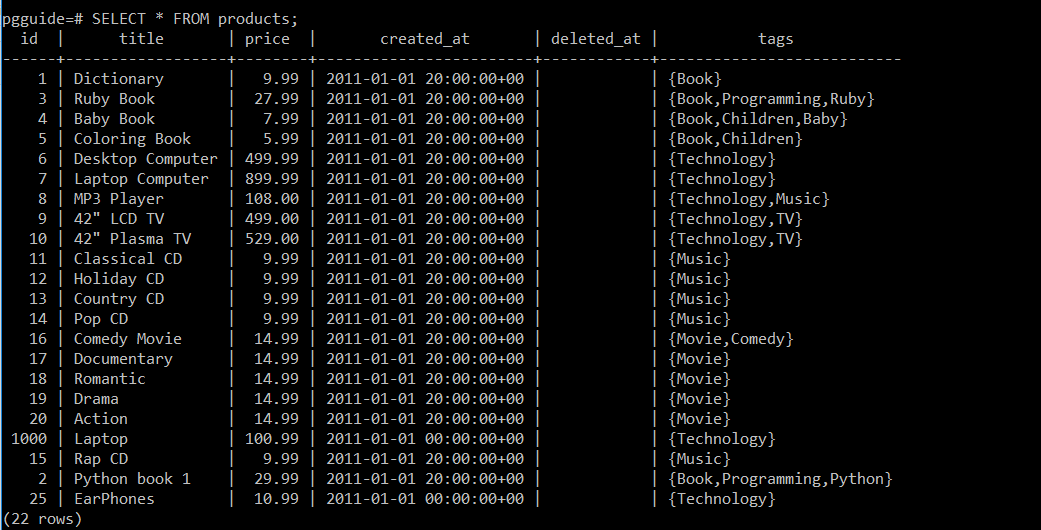
**Results of update existing product using sequelize:**





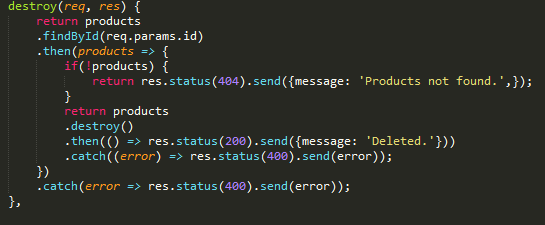
**Delete existing product using sequelize:**





**Query to delete product table using sequelize:**





**Results of delete existing product using sequelize:**



