

SQL Code - The Complete 2023 Web Development Bootcamp

Joshua Dierickse

Online SQL Code Editor

<https://sqliteonline.com/>

W3Schools SQL

<https://www.w3schools.com/sql/>

C.R.U.D.

Create

Read

Update

Delete

Create

Creates Table

https://www.w3schools.com/sql/sql_create_table.asp

```
CREATE TABLE products (  
    id INT NOT NULL,  
    name STRING,  
    price MONEY,  
    PRIMARY KEY (id)  
)
```

Inserts Products

https://www.w3schools.com/sql/sql_insert.asp

```
INSERT INTO products  
VALUES (1, "Pen", 1.20)
```

Inserts A Product Without A Price

https://www.w3schools.com/sql/sql_insert.asp

```
INSERT INTO products (id, name)  
VALUES (2, "Pencil")
```

Read

Shows The Table

https://www.w3schools.com/sql/sql_select.asp

```
SELECT * FROM products
```

Show Just Two Items From The Table

https://www.w3schools.com/sql/sql_select.asp

```
SELECT name, price FROM 'products';
```

Isolates Just 1 ID

https://www.w3schools.com/sql/sql_where.asp

```
SELECT * FROM products WHERE id=1
```

Update

Update A Value

https://www.w3schools.com/sql/sql_update.asp

```
UPDATE products  
SET price = 0.80  
WHERE id = 2
```

Adding Another Column

https://www.w3schools.com/sql/sql_alter.asp

```
ALTER TABLE products  
ADD stock INT
```

Delete

Delete A Row

https://www.w3schools.com/sql/sql_delete.asp

```
DELETE FROM products  
WHERE id = 2
```

Shopping Store Database Project

Creating Orders Table

https://www.w3schools.com/sql/sql_primarykey.asp

https://www.w3schools.com/sql/sql_foreignkey.asp

```
CREATE TABLE orders (  
    id INT NOT Null,  
    order_number INT,  
    customer_id INT,  
    product_id INT,  
    PRIMARY KEY (id),  
    FOREIGN KEY (customer_id) REFERENCES customer (id),
```

```
        FOREIGN KEY (product_id) REFERENCES products (id)
    )
```

Adds 2 Orders

```
INSERT INTO orders
VALUES (1, 4362, 2, 1)
```

```
INSERT INTO orders
VALUES (2, 3254, 1, 1)
```

Creates Customers Table

```
CREATE TABLE customers (
    id INT NOT NULL,
    first_name STRING,
    last_name STRING,
    address STRING,
    PRIMARY KEY (id)
)
```

Adds 2 Customers

```
INSERT INTO customers
VALUES (1, "John", "Doe", "32 Cherry Blvd")
INSERT INTO customers
VALUES (2, "Angela", "Yu", "12 Sunset Drive")
```

Joins Multiple Tables (Combines Orders Table with Customers Table)

https://www.w3schools.com/sql/sql_join_inner.asp

```
SELECT orders.order_number, customers.first_name, customers.last_name,
customers.address
FROM orders
INNER JOIN customers ON orders.customer_id = customers_id
```

Joins Multiple Tables (Combines Orders Table with Customers Table and Products Table)

```
SELECT orders.order_number, customers.id, customers.first_name,
customers.last_name, customers.address, products.id, products.name,
products.price, products.stock
FROM orders
INNER JOIN customers ON orders.customer_id = customers.id
INNER JOIN products ON orders.product_id = products.id
```