

-- Create customer table

```
CREATE TABLE customer (  
    customer_id INT PRIMARY KEY,  
    first_name VARCHAR(50)  
);
```

-- Create orders table

```
CREATE TABLE orders (  
    order_id INT PRIMARY KEY,  
    amount DECIMAL(10, 2),  
    customer_id INT,  
    FOREIGN KEY (customer_id) REFERENCES customer(customer_id)  
);
```

-- Insert data into customer table

```
INSERT INTO customer (customer_id, first_name) VALUES (1, 'Alice');  
INSERT INTO customer (customer_id, first_name) VALUES (2, 'Bob');  
INSERT INTO customer (customer_id, first_name) VALUES (3, 'Charlie');  
INSERT INTO customer (customer_id, first_name) VALUES (4, 'David');
```

-- Insert data into orders table

```
INSERT INTO orders (order_id, amount, customer_id) VALUES (101, 250.50, 1);  
INSERT INTO orders (order_id, amount, customer_id) VALUES (102, 150.00, 2);  
INSERT INTO orders (order_id, amount, customer_id) VALUES (103, 300.75, 1);  
INSERT INTO orders (order_id, amount, customer_id) VALUES (104, 400.00, 3);  
INSERT INTO orders (order_id, amount, customer_id) VALUES (105, 120.00, NULL); -- An order with no associated customer
```

```
SELECT customer_id, first_name, order_id, amount  
FROM customer  
NATURAL JOIN orders;
```

```
SELECT customer.customer_id, customer.first_name, orders.order_id, orders.amount  
FROM customer  
INNER JOIN orders ON customer.customer_id = orders.customer_id;
```

```
SELECT customer.customer_id, customer.first_name, orders.order_id, orders.amount  
FROM customer
```

```
RIGHT JOIN orders ON customer.customer_id = orders.customer_id;
```

```
SELECT customer.customer_id, customer.first_name, orders.order_id, orders.amount
```

```
FROM customer
```

```
FULL OUTER JOIN orders ON customer.customer_id = orders.customer_id;
```

```
SELECT customer.customer_id, customer.first_name, orders.order_id, orders.amount
```

```
FROM customer
```

```
LEFT JOIN orders ON customer.customer_id = orders.customer_id;
```