

```
-----  
CREATE TABLE pizza (  
  p_id INTEGER PRIMARY KEY AUTOINCREMENT,  
  name VARCHAR (100),  
  price INTEGER  
);
```

```
-----  
CREATE TABLE customer (  
  c_id INTEGER PRIMARY KEY AUTOINCREMENT,  
  name VARCHAR (100),  
  address TEXT,  
  deleted_on TIMESTAMP  
);
```

```
-----  
CREATE TABLE order_master (  
  o_id INTEGER PRIMARY KEY AUTOINCREMENT,  
  c_id BIGINT UNSIGNED,  
  FOREIGN KEY (c_id) REFERENCES customer(c_id) ON DELETE CASCADE  
);
```

```
-----  
CREATE TABLE order_detail (  
  d_id INTEGER PRIMARY KEY AUTOINCREMENT,  
  o_id BIGINT UNSIGNED,  
  p_id BIGINT UNSIGNED,  
  price INTEGER,  
  FOREIGN KEY (o_id) REFERENCES order_master(o_id) ON DELETE CASCADE,  
  FOREIGN KEY (p_id) REFERENCES pizza(p_id)  
);
```

```
-----  
INSERT INTO pizza (name, price) VALUES  
  ('Veg Cheeese Pizza', 100),  
  ('Chicken Pizza', 200),  
  ('Cheese burst Pizza', 300),  
  ('Margarita Pizza', 200);  
-----
```

```
INSERT INTO customer (name, address) VALUES
```

```
('Iron man', '59th Street, Broadway'),
```

```
('Dr Strange', '177A Bleeker Street'),
```

```
('Spider Man', '175 5th Avenue'),
```

```
('Mr Holmes', '221B Baker street');
```

```
-----  
INSERT INTO order_master (c_id) VALUES (1),(2),(3);  
-----
```

```
INSERT INTO order_detail (o_id, p_id, price) VALUES
```

```
(1, 1, 100),
```

```
(1, 2, 200),
```

```
(1, 3, 300),
```

```
(2, 1, 100),
```

```
(3, 1, 100),
```

```
(3, 2, 200);  
-----
```

```
select * from customer;  
-----
```

```
select * from customer where id = 1;  
-----
```

```
select * FROM customer ORDER BY name;  
-----
```

```
select count(*) from order_master;  
-----
```

```
select distinct p_id from order_detail;;  
-----
```

```
update order_detail set p_id = 3 where d_id = 6;  
-----
```

```
Find customers who have made some orders
```

```
$ SELECT c_id, name FROM customer WHERE c_id IN (SELECT c_id FROM order_master);
```

```
$ SELECT customer.c_id, customer.name
```

```
FROM customer
```

```
INNER JOIN order_master
```

```
ON customer.c_id = order_master.c_id
```

```
-----  
Find which customer ordered which pizza
```

```
SELECT customer.c_id, customer.name, pizza.name  
FROM customer  
INNER JOIN order_master ON customer.c_id = order_master.c_id  
INNER JOIN order_detail ON order_master.o_id = order_detail.o_id  
INNER JOIN pizza ON order_detail.p_id = pizza.p_id;
```

```
-----  
Find customers who have NOT made any orders
```

```
SELECT c_id, name FROM customer WHERE c_id NOT IN (SELECT c_id FROM order_master);
```

```
SELECT      *  
FROM customer AS t1  
LEFT JOIN order_master AS t2  
ON t1.c_id = t2.c_id  
WHERE t2.o_id IS NULL;
```