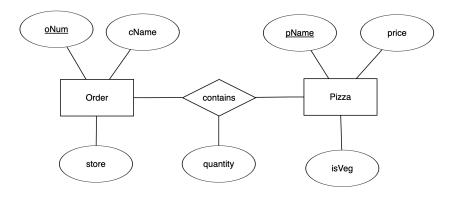
Acme Pizza currently uses a database with the following ERD.



There are three tables in Acme's database, with the following schemas:

```
Order(oNum, cName, store)
Pizza(pName, price, isVeg)
contains(oNum, pName, quantity)
```

The meanings of these tables is as follows:

• The table Order contains information about an order for pizza. Each order has a unique order number, oNum, and is made by a customer called cName and delivered from one Acme's stores. A sample row of this table is

```
(100, 'Bill Jones', 'Subiaco')
```

indicating that order number 100 was made by Bill Jones, and delivered from the Subiaco store. There is one row in Orders for each order.

• The table Pizza contains information about a particular type of pizza. Each pizza has a unique name, pName and a price (the price that the customer pays) and a field isVeg which takes the value 1 if the pizza is suitable for vegetarians and 0 otherwise. There is one row for each type of pizza sold by Acme. Sample rows of this table are

```
('Margherita', 10.99, 1)
('Pepperoni', 13.99, 0)
```

indicating that the Margherita costs \$10.99 and is suitable for vegetarians, but the Pepperoni pizza costs \$13.99 and is definitely *not* suitable for vegetarians. There is one row of Pizza for each type of pizza sold by Acme.

• The table contains indicates which pizzas, and how many of them, are contained in each order. The columns oNum and pName refer to the order number and type of pizza respectively, while quantity indicates how many of this type pizza are in this order. Some sample rows of this table are

```
(100, 'Margherita', 2)
(100, 'Pepperoni', 1)
```

indicating that order 100 contains 2 Margherita and 1 Pepperoni pizza. For a single order, there will be one row of **contains** for each type of pizza in that order.

1. Write a suitable SQLite DDL statement that will *create* a table called Pizza, as described above. Use the most appropriate SQLite data types for the columns, and do not attempt to use foreign keys. In addition, give a DDL statement to *insert* two rows into this table, using the details of the Margherita and Pepperoni pizzas as given above.

2. Write a single SQL query	that lists the <i>name</i> ar	nd <i>mrice</i> of each of	the pizzas in
increasing order of price.		id prive of each of	9122ccs, 111



4.	Write a single SQL query that, for each order, lists the <i>order number</i> and the <i>total</i> price of the order; the total price of an order is the cost of the pizzas in the order, plus a flat \$5 delivery fee.

5. Acme Pizza decides to start a loyalty card scheme. It will issue a *bronze* card to all customers who have made fewer than 10 orders and a *silver* card to those who have made at least 10 orders. Write a single SQL query that lists the name of each customer, and then the word 'bronze' or 'silver' according to the card they should receive.

6. Write a single SQL query, using an uncorrelated su without duplicates, of customers who have only ever	ubquery, that lists the names, ordered vegetarian pizzas.