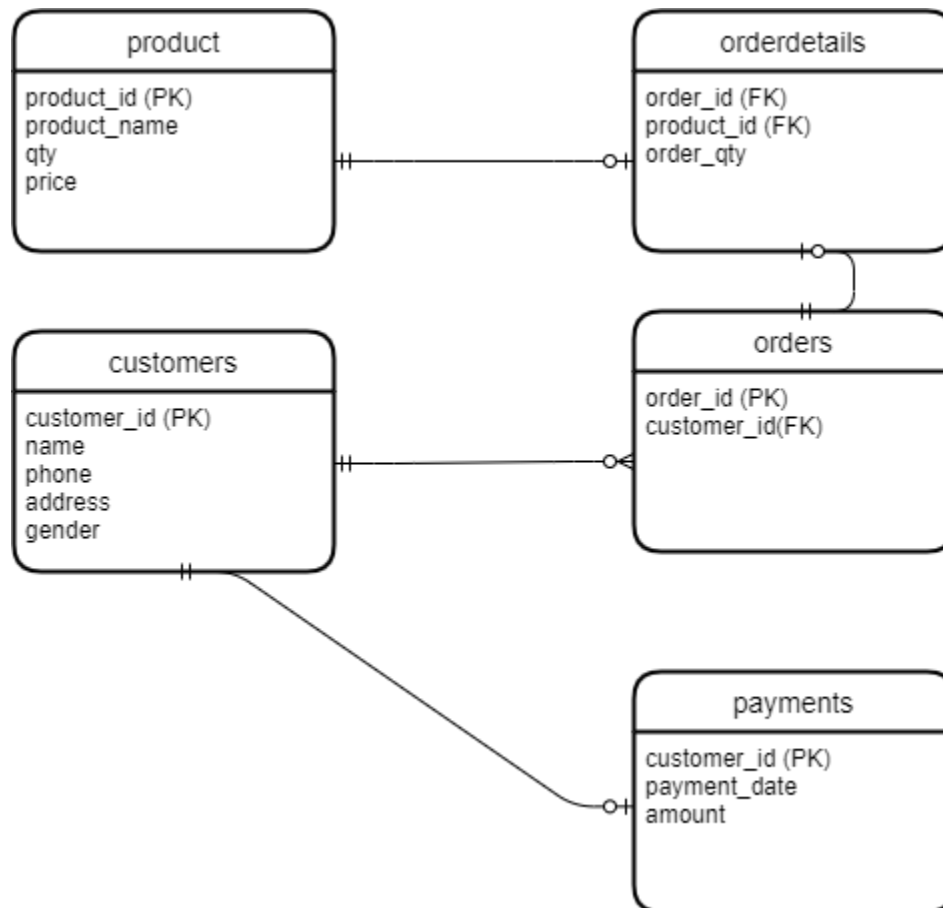## 1. ERD Diagram

Notes
PK = Primary Key
FK = Foreign Key

2. SELECT COUNT(od.product_id) as 'Jumlah', p.product_name as 'Produk Best Seller Female', o.customer_id as 'Customer', c.gender as 'Gender'
From orderdetails as od
JOIN product as p using(product_id)
JOIN order as o using(order_id)
JOIN customers as c using(customer_id)
WHERE (c.gender = 'Female')
Order By 1 DESC
Limit 1

SELECT COUNT(od.product_id) as 'Jumlah', p.product_name as 'Produk Best Seller Male', o.customer_id as 'Customer', c.gender as 'Gender'

```
From orderdetails as od
JOIN product as p using(product_id)
JOIN order as o using(order_id)
JOIN customers as c using(customer_id)
WHERE (c.gender = 'Male')
Order By 1 DESC
Limit 1
```

3.
```
SELECT name
FROM Customers
WHERE EXISTS ( SELECT MAX(amount) FROM payments WHERE
payments.customer_id = customers.customer_id)
```

4.
```
SELECT date_format(payment_date, '%H %p') as Jam, count(customer_id) as
Transactions
FROM payments
Group by 1
```