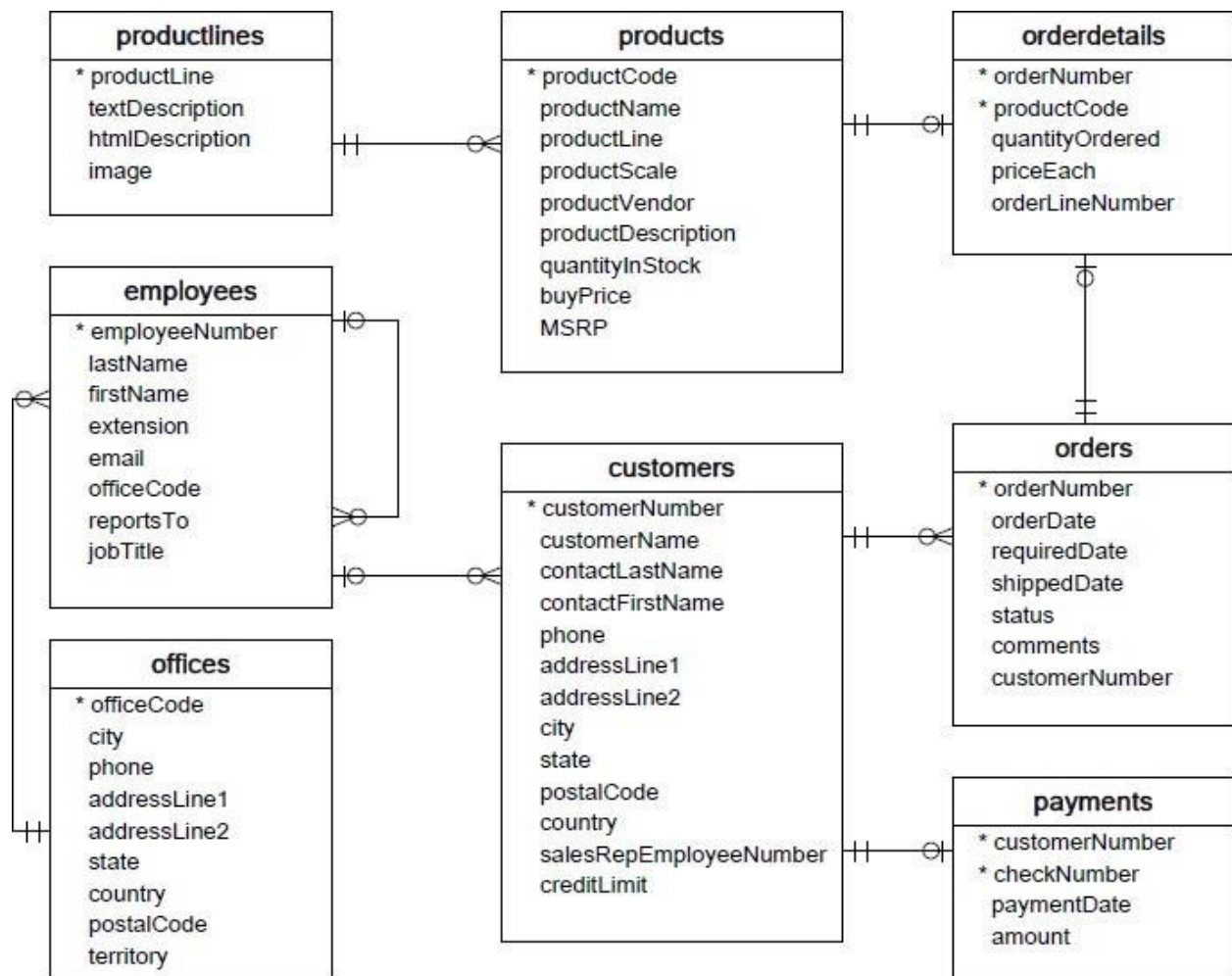


## WORKSHEET 4 SQL

Refer the following ERD and answer all the questions in this worksheet. You have to write the queries using MySQL for the required Operation.



- **Customers:** stores customer's data.
- **Products:** stores a list of scale model cars.
- **Product Lines:** stores a list of product line categories.
- **Orders:** stores sales orders placed by customers.
- **Order Details:** stores sales order line items for each sales order.
- **Payments:** stores payments made by customers based on their accounts.
- **Employees:** stores all employee information as well as the organization structure such as who reports to whom.
- **Offices:** stores sales office data.

### QUESTIONS:

1. Write a SQL query to show average number of orders shipped in a day (use Orders table).

```
select avg(numorder) from
```

```
(SELECT shippedDate,count(orderNumber) as numorder from orders group by  
shippedDdate ) as ordershipped ;
```

2. Write a SQL query to show average number of orders placed in a day.

```
select avg(numOrder) from
```

```
(SELECT orderDate,count(orderNumber) as numOrder from orders group by  
orderDate ) as orderplaced ;
```

3. Write a SQL query to show the product name with minimum MSRP (use Products table).

```
Select productName from products where =(select min (MSRP) from products);
```

4. Write a SQL query to show the product name with maximum value of stockQuantity.

```
Select productName from products where quantityinstock=(select max  
(quantityinstock) from products);
```

5. Write a query to show the most ordered product Name (the product with maximum number of orders).

```
Select productName from products join orderdetails
```

```
ON products.productcode=orderdetails.productcode
```

```
where orderNumber= (select max(numOrder) from
```

```
(SELECT count(orderNumber) as numOrder from orderdetails ) as orderplaced) ;
```

6. Write a SQL query to show the highest paying customer Name.

```
Select customerName from customers join payments
```

```
On customers.customerNumber =payments.customerNumber
```

```
WHERE amount= (select max(amount) from payments as highestpay);
```

7. Write a SQL query to show cutomerNumber, customerName of all the customers who are from Melbourne city.

```
Select customerNumber,customerName from customers
```

```
where city='Melbourne';
```

8. Write a SQL query to show name of all the customers whose name start with "N".

```
Select customerName from customers
```

```
Where customerName LIKE 'N%';
```

---

9. Write a SQL query to show name of all the customers whose phone start with '7' and are from city 'LasVegas'.

```
Select customerName from customers  
Where phone LIKE '7%' and city='LasVegas';
```

10. Write a SQL query to show name of all the customers whose creditLimit < 1000 and city is either "Las Vegas" or "Nantes" or "Stavern".

```
Select customerName from customers  
Where creditLimit<1000 and city='Las Vegas' or city=' Nantes' or city=' Stavern'
```

11. Write a SQL query to show all the orderNumber in which quantity ordered <10.

```
Select orderNumber from orderdetails  
Where quantityOrdered <10;
```

12. Write a SQL query to show all the orderNumber whose customer Name start with letter 'N'.

```
Select orderNumber from orders join customers  
On orders.customerNumber =customers.customerNumber  
Where customerNumber like 'N';
```

13. Write a SQL query to show all the customerName whose orders are "Disputed" in status.

```
Select customerName from customers join orders  
On orders.customerNumber =customers.customerNumber  
Where status='Disputed';
```

14. Write a SQL query to show the customerName who made payment through cheque with checkNumber starting with H and made payment on "2004-10-19".

```
Select customerName from customers join payments  
On payments.customerNumber =customers.customerNumber  
Where checkNumber like 'H%' and paymentDate=' 2004-10-19';
```

15. Write a SQL query to show all the checkNumber whose amount > 1000.

```
Select checkNumber from payments  
Where amount >1000;
```



