

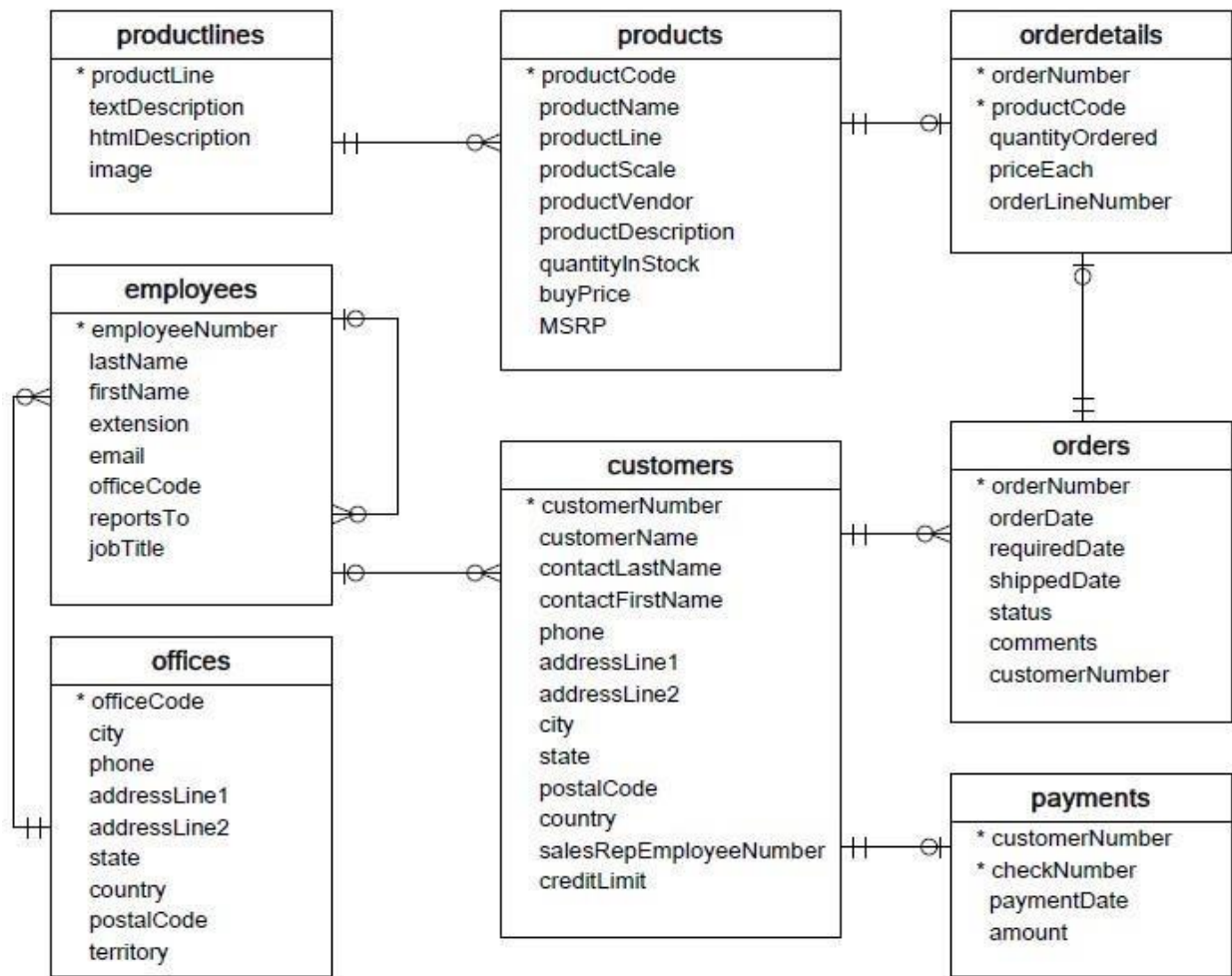
SUBMITTED BY : AMAN KUMAR PATEL

BATCH : INTENSHP25

SME : MD. KASHIF

WORKSHEET 3 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.
- **ProductLines:** stores a list of product line categories.
- **Orders:** stores sales orders placed by customers.
- **OrderDetails:** 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.

1. Write SQL query to create table **Customers**.

```
Create table customer(  
customerNumber,  
customerName,  
contactLastName,
```

```
contactLastNmae,  
phone,  
addressLine1,  
addressLine2,  
city,  
state,  
postalCode,  
country,  
salesRepEmployeeNumber,  
creditLimit);
```

2. Write SQL query to create table **Orders**.

```
Create a table Orders(  
orderNumber,  
orderDtae,  
requiredDate,  
shippedDate,  
status,  
comments,  
customerNumber);
```

3. Write SQL query to show all the columns data from the **Orders** Table.

```
Show databases;  
Use orders;  
Show tables;  
Show Orders;  
Select * from Orders;
```

4. Write SQL query to show all the comments from the **Orders** Table.

```
Select * from Orders;  
Select * from comments;
```

5. Write a SQL query to show orderDate and Total number of orders placed on that date, from **Orders** table.

```
Select * from Orders where orderDate=YYYY-MM-DD
```

6. Write a SQL query to show employeeNumber, lastName, firstName of all the employees from **employees** table.

```
Show databases;  
Use employees;  
Show tables;  
Show employees;  
Select * from employees;
```

7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.

```
Use orders;  
Show tables;  
Show Orders;  
Select * from orderName;  
Select * from customerName;
```

8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column.

Select customerName from table1

right join table2

on customerName.table1=table2.saleremployee;



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9. Write a SQL query to show Date in one column and total payment amount of the payments made on that date from the **payments** table.

Select paymentDate from table1

Right join amount from table payments;

10. Write a SQL query to show all the products productName, MSRP, productDescription from the **products** table.

Show databases;

Use products;

Show tables;

Show products;

Select * from productName;

Select * from MSRP;

Select * productDescription;

11. Write a SQL query to print the productName, productDescription of the most ordered product.

Select count(productName , productDescription),

Product

From customers

Group by product

Order by count(productName, productDescription) Desc;

12. Write a SQL query to print the city name where maximum number of orders were placed.

Select MAX(orderNumbers)

From city;

13. Write a SQL query to get the name of the state having maximum number of customers

Select

MAX(customers)

From state

14 select employeeNumber, concat((firstName,'',lastName) as fullname from employees;

15: select orders.orderNumber, customers.customerName,

orderdetails.quantityOrdered*orderdetails.priceEach as totalamount

from ((orders

inner join customerson orders.customerNumber=customer.customerNumber)

inner join orderdetails on orders.orderNumber=orderdetails.orderNumber)



FLIP ROBO