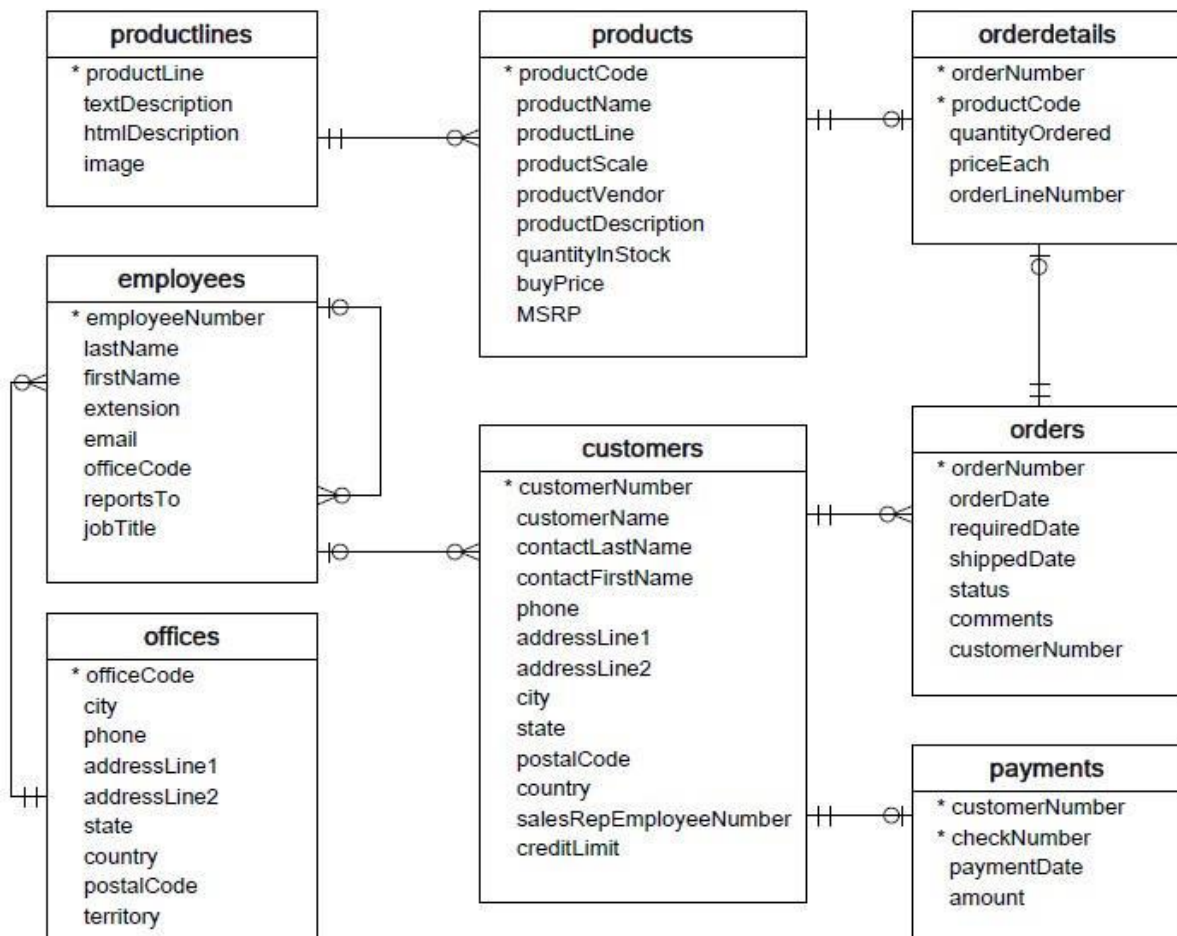


WORKSHEET 3 SQL



1. Write SQL query to create table Customers.

Answer:

```
CREATE TABLE IF NOT EXISTS customers (  
  Customer Number int,  
  CustomerName Varchar 250,  
  ContactLastName Varchar 250,  
  ContactFirstName varchar 250,  
  Phone int,  
  AddressLine1 Varchar 500,  
  AddressLine2 Varchar 200,  
  City Varchar 200,  
  State Varchar 200,  
  Postalcode int 20,  
  Country Varchar 100,  
  SalesRepEmployeeNumber int 200,  
  CreditLimit int 200,
```

```
PRIMARY KEY (CustomerNumber)
);
```

2. Write SQL query to create table Orders

```
CREATE TABLE Orders (
OrderNumber int NOT NULL,
OrderDate datetime,
RequiredDate datetime,
ShippedDate datetime,
Status Varchar 15,
Comments Varchar 200,
CustomerNumber int NOT NULL,
```

```
PRIMARY KEY (orderNumber)
);
```

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

```
SELECT * FROM Orders;
```

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

```
SELECT Comments FROM Orders;
```

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

```
SELECT date (order_placed_date),
        Count (id) As num_orders,
Sum(order_total) AS daily_total,
FROM[Orders],
GROUP BY date(order_placed-date);
```

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

```
SELECT employeeNumber, lastName, firstName FROM employees table;
```

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

```
SELECT OrderNumber, CustomerNumber FROM orders, customer;
```

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

```
SELECT customer. Customer Name, salesrepemployee.name  
FROM customer, salesman  
WHERE salesman. salesman_id = customer.salesman_id;
```

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 * FROM TABLE_NAME WHERE DATE_TIME_COLUMN  
BETWEEN 'STARTING_DATE_TIME' AND 'ENDING_DATE_TIME';
```

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

```
SELECT *FROM products TABLE productName,MSRP,productDescription;
```

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

```
SELECT p. productName, p.productDescription from products p
```

```
Inner join orderdetails od
```

```
On p.productCode=od.productCode  
Where od.quantityOrdered=(select max (od.quantityOrdered)from  
orderdetails od);
```

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

```
SELECT orders, COUNT(DISTINCT ord_no),  
MAX (city name)  
FROM orders
```

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

```
SELECT customers, COUNT(DISTINCT ord no),  
MAX (state name)  
FROM customers
```

14. Write a SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.

```
SELECT employee_number, full_name from all the employees
```

15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).

