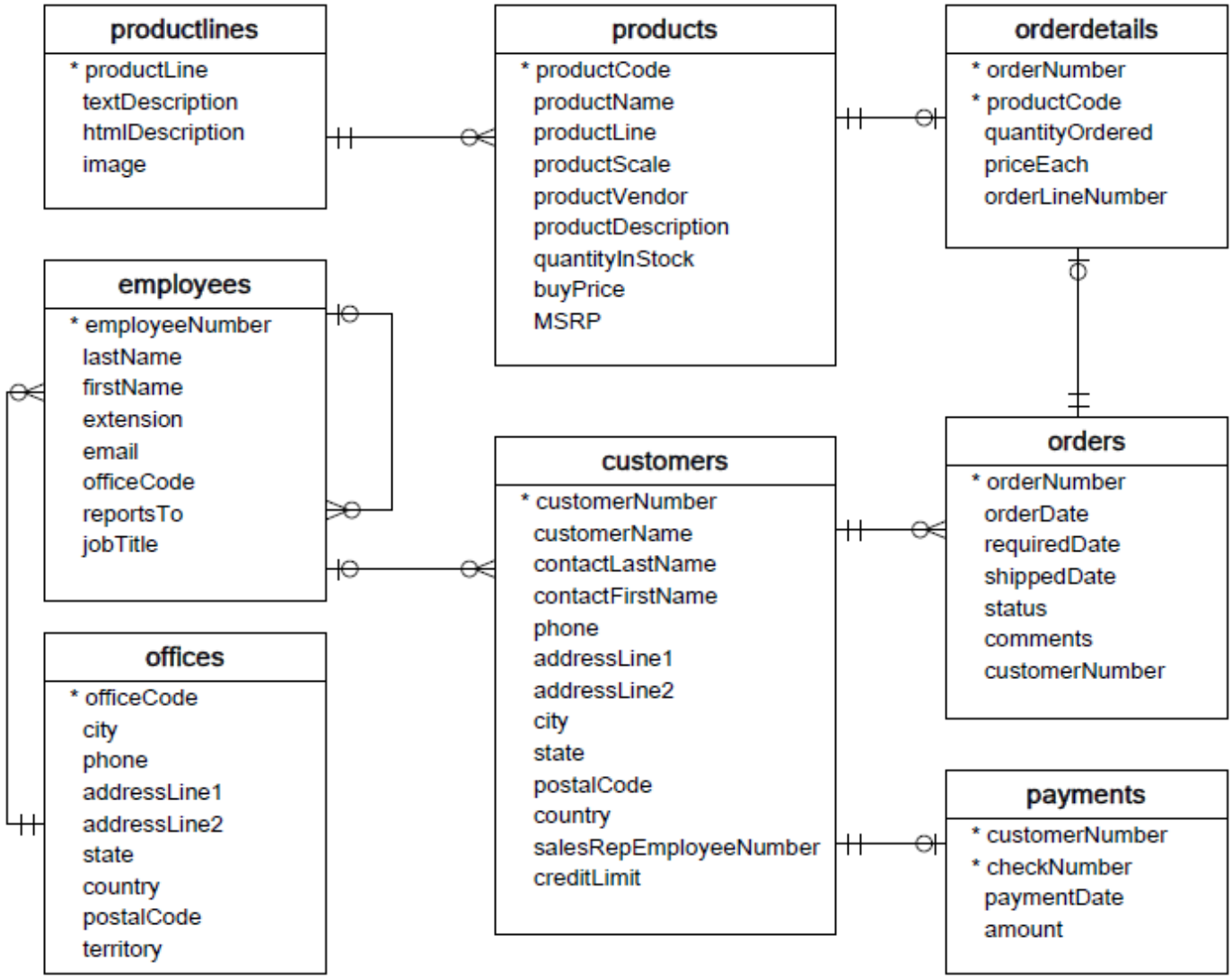
SQL-3



Q1. Write SQL query to create table **Customers.**

Ans:

```
create table Customers
(
customerNumber int not null,
customerName varchar(100)  not null,
contactLastName varchar(50)  not null,
contactFirstName varchar(50)  not null,
phone int not null,
addressline1 varchar(100),
```

```
addressline2 varchar(100),
city varchar(50),
state varchar(50),
postalcode int not null,
country varchar(100),
saleRepEmployeeNumber int not null,
creditLimit int not null,
foreign key(saleRepEmployeeNumber) references employees(employeeNumber),
primary key(customerNumber)
);
```

Q2. Write SQL query to create table **Orders.**
Ans:

```
create table Orders
(
orderNumber int not null,
orderDate date not null,
requiredDate date not null,
shippedDate not null,
status_ varchar(25)  not null,
commments varchar(200),
customerNumber int not null,
primary key(ordernumber),
foreign key(customernumber) references customers(customernumber)
);
```

Q3. Write SQL query to show all the columns data from the **Orders** Table.
Ans:

```
select * from Orders ;
```

Q4. Write SQL query to show all the comments from the **Orders** Table.
Ans:

```
select comments from Orders ;
```

Q5. Write a SQL query to show orderDate and Total number of orders placed on that date, from **Orders** table
Ans:

```
select count(orderNumber),orderDate from Orders groupby orderDate ;
```

Q 6. Write a SQL query to show employeNumber, lastName, firstName of all the employees from **employees** table.
Ans:

```
select employeNumber, lastName, firstName from employees ;
```

Q 7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.
Ans: select Orders. orderNumber, Customers. customerName from Orders,Customers ;

Q 8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column. (Error in question it must be saleRepEmployeeNumber as per the ERD)
Ans:
select customerName, saleRepEmployeeNumber from Customers ;

Q 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.
Ans:
select sum(amount),paymentDate from payments groupby paymentDate ;

Q 10. Write a SQL query to show all the products productName, MSRP, productDescription from the **products** table.
Ans:
select productName, MSRP, productDescription from products ;

Q 11. Write a SQL query to print the productName, productDescription of the most ordered product.
Ans:
select productName, productDescription from products order by count(productName) DES ;

Q 12. Write a SQL query to print the city name where maximum number of orders were placed.
Ans:
select city, count(orderNumber) from customers,orders orderby count(orderNumber) groupby city ;

Q 13. Write a SQL query to get the name of the state having maximum number of customers.
Ans:
select state, count(customerNumber) from Customers orderby count(customerNumber) groupby state ;

Q 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.
Ans:
select employeeNumber, concat(firstName, lastName) as fullName from employees ;

Q15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).
Ans:
select customer Name , orderNumber, quantityOrdered *priceEach as TotalAmount from customers,orderdetails;