

Answer :-

1.

```
mysql> CREATE TABLE Customers (  
-> CustomerNumber int NOT NULL,  
-> customerName varchar(255),  
-> contactLastName varchar(255),  
-> contactFirstName varchar(255),  
-> Phone int,  
-> addressLine1 varchar(255),  
-> addressLine2 varchar(255),  
-> city varchar(255),  
-> state varchar(255),  
-> postalcode int,  
-> country varchar(255),  
-> SalesRepEmployeeNumber int,  
-> creditLimit int,  
-> PRIMARY KEY (CustomerNumber),  
-> FOREIGN KEY (SalesRepEmployeeNumber) REFERENCES employees(employeeNumber)  
-> );
```

2.

```
mysql> CREATE TABLE Orders (  
-> orderNumber int NOT NULL,  
-> orderDate date,  
-> requiredDate date,  
-> shippedDate date,  
-> status varchar(255),  
-> comments varchar(255),  
-> customerNumber int,  
-> PRIMARY KEY(orderNumber),  
-> FOREIGN KEY (CustomerNumber) REFERENCES Customers(CustomerNumber)  
-> );
```

3.

```
mysql> select * from Orders;
```

4.

```
mysql> select comments from orders;
```

5.

```
mysql> SELECT orderDate, count(OrderNumber) as TOTAL_NUMBER_OF_ORDERS FROM Orders  
GROUP BY orderDate;
```

6.

```
mysql> SELECT EmployeeNumber, LastName, FirstName from employees;
```

7.

```
mysql> select a.orderNumber, b.customerName from Orders a, Customers b where  
a.customerNumber=b.CustomerNumber;
```

8.

```
mysql> SELECT b.customerName as Customer_Name,  
RTRIM(LTRIM(CONCAT(COALESCE(a.lastName + ' ', ''), COALESCE(a.firstName + ' ',  
'')))) AS Sales_Rep_Employee_Name FROM employees a, Customers b where  
a.employeeNumber=b.SalesRepEmployeeNumber;
```

9.

```
mysql> select paymentDate as Date, sum(amount) from payments GROUP BY paymentDate;
```

10.

```
mysql> select productName, MSRP, productDescription from products;
```

11.

```
mysql> SELECT p.productName, p.productDescription FROM orderdetails AS o INNER JOIN  
products AS p ON o.productCode = p.productCode GROUP BY o.productCode ORDER BY  
SUM(o.quantityOrdered) DESC, p.productName ASC
```

12.

```
mysql> select a.city, count(b.orderNumber) as NUMBER_OF_ORDERS from Customers a,  
Orders b where a.customerNumber = b.customerNumber GROUP BY a.city ORDER BY  
NUMBER_OF_ORDERS DESC;
```

13.

```
mysql> select state, count(customerNumber) as NUMBER_OF_Customers from Customers  
GROUP BY state ORDER BY NUMBER_OF_Customers DESC;
```

14.

```
mysql> SELECT employeeNumber, RTRIM(LTRIM(CONCAT(COALESCE(lastName + ' ', ''),  
COALESCE(firstName + ' ', '')))) AS Employee_Full_Name FROM employees;
```

15.

```
mysql> select c.orderNumber as ORDER_NUMBER, b.customerName as Customer_Name,  
c.quantity_ordered*c.priceEach as Total_Amount_Paid from Orders a INNER JOIN  
Customers b ON a.customerNumber=b.CustomerNumber INNER JOIN orderdetails c ON  
a.orderNumber = c.orderNumber GROUP BY c.orderNumber;
```