SQL WORKSHEET 3

Q1.
```
CREATE TABLE customers
(
customerNumber int,
customerName varchar(255),
customerFirstName varchar(255),
customerLastName varchar(255),
phone int,
addressLine1 varchar(255),
addressLine2 varchar(255),
city varchar(255),
state varchar(255),
postalcode int,
country varchar(255),
salesRepEmployeeNumber int,
creditLimt int
);
```

Q2.
```
CREATE TABLE Orders
(
orderNumber  int,
orderDate int,
requiredDate int,
shippedDate int,
status varchar(255),
comments varchar(255),
customerNumber int
);
```

Q3.
```
select * from orders
select
orderNumber,orderDate,requiredDate,shippedDate,status,comments,customerNumber
from orders
SELECT COLUMN_NAME FROM INFORMATION_SCHEMA.COLUMNS WHERE
TABLE_NAME='orders'
```

Q4.
```
COMMENT ON TABLE ORDERS
IS 'Orders Information';

SELECT * FROM USER__TAB_COMMENTS
WHERE TABLE_NAME='orders'
```

Q5.
```
SELECT orderDate(order_placed_date),
COUNT(order_id) AS num_orders,
SUM(order_total) AS daily_total
FROM orders
WHERE orders_placed_date>=date_sub(current_date,INTERVAL 31 DAY)
GROUP BY date(order_placed_date)
```

Q6.
```
CREATE  TABLE  employees
(
EmployeNumber  int,
LastName  varchar(255),
FirstName  varchar(255)
);
```

Q7.
```
SELECT orders.orderNumber,
        Customer.customerName
FROM orders,customers
WHERE orders.customerNumber=customer.customerNumber
```

Q8.
```
SELECT customer.customerName,
        Salesman.salesrepemployeename
FROM customer,salesman
WHERE salesman.salesrepemployeename=customer. salesrepemployeename
```

Q9.
```
SELECT Date "Date",
COUNT(*) "Total Payments"
FROM Date
GROUP BY paymentDate;
```

Q10.
```
CREATE TABLE products
(
productCode int,
productName varchar(255),
producrline int,
productScale varchar(255),
productVendor varchar(255),
productDescription varchar(255),
```

```sql
quantityinStock int,
buyPrice int,
MSRP int,
);
```

Q11.
```sql
SELECT products
        p.Name
 FROM products.productCode
 INNER JOIN Production.Product p
 ON sod.Productcode = p.Productcode
 GROUP BY p.Name
 ORDER BY COUNT(*) DESC
```

Q12.
```sql
SELECT cityName, COUNT(DISTINCT ord_no),
MAX(purch_amt)
FROM orders
GROUP BY cityName
ORDER BY DESC;
```

Q13.
```sql
SELECT customer_id, COUNT(DISTINCT ord_no),
MAX(purch_amt)
FROM orders
GROUP BY customer_id
ORDER BY  DESC;
```

Q14.
```sql
SELECT E1.Enum AS Employees,
E2.EFName AS EmployeesFullName
FROM Employee E1 JOIN EMP E2
ON E1.EFName=E2.Enum
```

Q15.
```sql
SELECT a.cust_name,a.city, b.ord_no,
b.ord_date,b.purch_amt AS "Order Amount",
c.name,c.commission
FROM customer a
LEFT OUTER JOIN orders b
ON a.customer_id=b.customer_id
LEFT OUTER JOIN salesman c
ON c.salesman_id=b.salesman_id;
```