

SQL

1. Write SQL query to create table Customers

```
CREAT TABLE customers (  
customerNumber int NOT NULL,  
customerName varchar(50),  
contactLastName varchar(20),  
contactFirstName varchar(20),  
phone int,  
addressLine1 varchar(10),  
addressLine2 varchar(10),  
city varchar(20).  
state varchar(20),  
postalCode int,  
country varchar(15),  
saleRepEmployeeNumber int,  
creditLimit int,  
primary key(customerNumber)  
);
```

2. Write SQL query to create table Orders.

```
CREAT TABLE orders (  
orderNumber int NOT NULL,  
orderDate DATE,  
requiredDate DATE,  
shippedDate DATE,  
status varchar(10),  
comments(50),  
customerNumber int,  
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 OrdersTable.

Select comments from Orders;

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

Select orderDate, count(orderNumber) from orders where orderDate='YYYY-MM-DD'

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

```
CREAT TABLE employees (  
employeeNumber int NOT NULL,  
firstName varchar(50),  
LastName varchar(20),  
extension int(20),  
email varchar(15),  
officeCode int,  
country varchar(15),  
reportsTo varchar(25),  
jobTitle varchar(10),  
primary key(employeeNumber)  
);
```

select employeeNumber, lastName, firstName from employees

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

select orderNumner, customerName from customers where customerName='ABC'

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

```
select customers.customerName ,employees.firstname  
from customers  
inner join employees  
on customers.salesRepEmployeeNumber = employees.employeeNumber
```

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 payments.paymentDate, payments.amount
from payments
inner join customers
on payments.customerNumber=customers.customerNumber
```

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

```
select productCode, productName, MSRP, productDescription from products
```

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

```
select products.productName, products.productDescription,orderDetails.quantityOrdered
from products
inner join orderDetails
where products.productCode= orderDetails.productCode
```

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

```
select customers.city, orders.count(distinct orderNumber), payments.max(amount)
from customers
inner join orders
on customers.customerNumber=orders.customerNumber
inner join
on payments.customerNumber= orders.customerNumber
```

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

```
select state, max(customerName) from customers group by customerNumber order by desc;
```

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 employeeNumber, firstName, lastName from employees
```

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

```
select orderNumber, customerNumber
from orders a
where amount >
(select avg(amount) FROM payments b
where b.customerNumber = a.customerNumber);
```