

Worksheet sql 3

1. Write SQL query to create table Customers

Answer: -

```
CREATE TABLE Costumers (  
    CostumerNumber int AUTO_INCREMENT PRIMARY KEY,  
    costumerName varchar(255),  
    costumerLastName varchar(255),  
    conatactFirstName varchar(255),  
    Phone Int(10),  
    AddressLine1 varchar(255),  
    AddressLine2 varchar(255),  
    City varchar(255),  
    State varchar(255),  
    PostalCode varchar(255),  
    Country varchar(255),  
    SalesEmployeeNumber varchar(255),  
    CreditLimit int(10),  
);
```

2. Write SQL query to create table Orders.

Answer: -

```
CREATE TABLE Order (  
    OrderNumber int AUTO_INCREMENT PRIMARY KEY,  
    OrderDate Date,  
    RequiredDate Date  
    ShippedDate Date,  
    Status varchar(255),  
    Comments varchar(255),  
    CostumerNumber INT(10),  
);
```

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

Answer: -

```
SELECT * FROM Order TABLE;
```

4. Write SQL query to show all the comments from the OrdersTable.

Answer: -

```
SELECT comments FROM Order TABLE;
```

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

Answer: -

```
SELECT COUNT(*) FROM orders WHERE ord_date='2022-08-10';
```

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

Answer: -

```
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.

Answer: -

```
SELECT orderNumber, customerName FROM orders, customers WHERE  
*customerNumber = customerNumber;
```

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

Answer:-

```
SELECT cust.customerName, cust.salesRepEmployeeNumber, emp.employeeNumber FROM  
customers cust, employees emp  
WHERE cust.salesRepEmployeeNumber= emp.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

Answer:-

```
SELECT SUM(amount)  
FROM payment  
GROUP BY paymentDate;
```

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

Answer: -

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

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

Answer: -

```
SELECT productName, productDescription FROM products, orderdetails  
GROUPBY MAX(quantityOrdered) ORDER BY MAX(quantityOrdered) DESC;
```

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

Answer:-

```
SELECT city, MAX(quantityOrdered) FROM customers, orderdetails GROUPBY quantityOrdered;
```

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

Answer:-

```
SELECT state, COUNT(customerName) FROM customers WHERE MAX(customerName) GROUPBY state;
```

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

Answer:-

```
SELECT employeeNumber, firstName + " " + lastName as fullName 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).

Answer:-

```
SELECT orderNumber, customerName, quantityOrdered*priceEach AS total_amount FROM customers, orderdetails;
```