

WORKSHEET 2 SQL

1. CREATE TABLE Customers (
 customerNumber int NOT NULL PRIMARY KEY,
 customerName varchar(255),
 contactLastName varchar(255),
 contactFirstName varchar(255),
 phone varchar(20),
 addressLine1 varchar(255),
 addressLine2 varchar(255),
 city varchar(255),
 state varchar(255),
 postalCode int,
 country varchar(255),
 salesRepEmployeeNumber int,
 creditLimit int
);
2. CREATE TABLE Orders(
 orderNumber int NOT NULL PRIMARY KEY,
 orderDate Date,
 requiredDate Date,
 shippedDate Date,
 status varchar(255),
 cimmments varchar(255),
 customerNumber int FOREIGN KEY REFERENCES Customers(customerNumber)
);
3. SELECT * FROM Orders;
4. SELECT comments FROM Orders;
5. SELECT orderDate, COUNT(orderDate) FROM Orders
GROUP BY orderDate;
6. SELECT employeeNumber, lastName, firstName FROM employees;
7. SELECT o.orderNumber, c.customerName FROM orders o
LEFT JOIN customers c
ON o.customerNumber=c.customerNumber;
8. SELECT c.customerName, CONCAT(e.firstName, ' ', e.lastName) AS employeeName
FROM customers c, employees e;
9. SELECT paymentDate, SUM(amount) FROM payments
ORDER BY paymentDate;
10. SELECT productName, MSRP, productDescription FROM products;

11.

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SELECT p.productName, p.productDescription, SUM(o.quantityOrdered) AS quantity
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
LIMIT 3;
```
12.

```
SELECT c.city, COUNT(DISTINCT o.orderNumber) FROM orders o, customers c
GROUP BY c.city
ORDER BY 2 DESC;
```
13.

```
SELECT state, COUNT(DISTINCT customerNumber) FROM customers
GROUP BY state
ORDER BY 2 DESC;
```
14.

```
SELECT employeeNumber, CONCAT(firstName, ' ', lastName) AS employeeName
FROM employees;
```
15.

```
SELECT c.customerName ,o.oderNumber,
(ord.quantityOrdered*ord..priceEach) as Total_Amount
FROM customers c
INNER JOIN orders o
INNER JOIN orderdetails ord
ON c.customerNumber = o.customerNumber and o.orderNumber = ord.ordernumber;
```