

WORKSHEET 3 SQL

1. CREATE TABLE customers (customerNumber int, customerName varchar(255), contactLastName varchar(255), contactFirstName varchar(255), phone varchar(255), addressLine1 varchar(255), addressLine2 varchar(255), city varchar(255), state varchar(255), postalCode varchar(255), country varchar(255), salesRepEmployeeNumber varchar(255), creditLimit varchar(255), PRIMARY KEY(customerNumber), FOREIGN KEY (salesRepEmployeeNumber) REFERENCES employees(employeeNumber) ;
2. CREATE TABLE orders(orderNumber INT NOT NULL, orderDate date, requiredDate timedate, shippedDate datetime, status VARCHAR(50), comments VARCHAR(255), customerNumber INT, PRIMARY KEY(orderNumber), FOREIGN KEY (customerNumber) REFERENCES customers(customerNumber));
3. SELECT * FROM orders;
4. SELECT comments from orders;
5. SELECT date(orderDate), count(orderNumber) from orders where date(orderdate)='2022-10-16';
6. SELECT employeeNumber, lastName, firstName FROM employees;
7. SELECT o.orderNumber, c.customerName FROM orders o INNER JOIN customers c o.customerNumber = c.customerNumber;
8. SELECT customerName, lastName as employeeName FROM customers INNER JOIN employees ON customers.salesRepEmployeeNumber=employees.employeeNumber;
9. SELECT DATE(paymentDate) as date, sum(amount) FROM payments group by date;
10. SELECT productName,MSRP,productDescription FROM products;
11. SELECT productName,productDescription FROM orderdetails INNER JOIN products where orderdetails.productCode=products.productCode GROUP BY productCode ORDER BY sum(quantityOrdered) DESC, LIMIT 1;
12. SELECT c.city, count(orderNumber) as count FROM orders o INNER JOIN customers c ON o.customerNumber=c.customerNumber GROUP BY c.city ORDER BY count(o.orderNumber) DESC, LIMIT 1;
13. SELECT state, count(customerNumber) as count FROM customers GROUP BY state ORDER BY count(customerNumber) DESC;
14. SELECT employeeNumber, CONCAT(firstName, "",lastName) AS name FROM employees;
15. SELECT o.orderNumber, c.customerName, (d.quantityOrdered * priceEach) as price FROM orderDetails d INNER JOIN orders o ON d.orderNumber=o.orderNumber INNER JOIN customers ON o.customerNumber=c.customerNumber;