

SQL ASSIGNMENT

Solutions:

1. CREATE TABLE Customers(customerNumber int, customerName varchar(225), contactLastName varchar(225), contactFirstName varchar(225), phone int, addressLine1 varchar(225), addressLine2 varchar(225), city varchar(225), state varchar(225), postalCode int, country varchar(225), salesRepEmployeeNumber int, creditLimit int, PRIMARY KEY(customerNumber));
2. CREATE TABLE Orders(orderNumber int, orderDate DATE, requiredDate DATE, shippedDate DATE, status varchar(20), comments varchar(225), customerNumber int, PRIMARY KEY(orderNumber));
3. SELECT * FROM Orders;
4. SELECT comments FROM Orders;
5. SELECT orderDate, COUNT(orderNumber) FROM Orders GROUP BY orderDate;
6. SELECT employeeNumber, lastName, firstName FROM employees;
7. SELECT Orders.orderNumber, Customers.customerName FROM Orders, Customers WHERE Orders.customerNumber = Customers.customerNumber;
8. SELECT Customers.customerName, Employees.firstName FROM Customers, Employees WHERE Customers.salesRepEmployeeNumber = Employees.employeeNumber;
9. SELECT paymentDate, COUNT(amount) FROM payments GROUP BY paymentDate;

10. SELECT productName, MSRP, productDescription FROM products;
11. SELECT p.productName, p.productDescription, SUM(o.quantityOrdered)
as quantity FROM orderdetails as o INNER JOIN products as p ON
o.productCode = p.productCode ORDER BY SUM(o.quantityOrdered)
DESC LIMIT 1;
12. SELECT TOP 1 Customers.City, SUM(orderdetails.quantityOrdered),
Orders.orderNumber FROM Customers, orderdetails, Orders WHERE
Customers.customerNumber = Orders.customerNumber and
Orders.orderNumber = orderdetails.orderNumber GROUP BY
Customers.City ORDER BY SUM(orderdetails.quantityOrdered) DESC;
13. SELECT TOP 1 state, COUNT(customerNumber) as num FROM
Customers GROUP BY state ORDER BY num DESC;
14. SELECT employeeNumber, CONCAT(firstName, ", ", lastName) as
FullName FROM employees;
15. SELECT o.orderNumber, c.CustomerName,
(ord.quantityOrdered*ord.priceEach) AS TotalAmount FROM Orders AS
o INNER JOIN Customers AS c INNER JOIN orderdetails AS ord ON
o.customerNumber = c.customerNumber and o.orderNumber =
ord.orderNumber;