

SQL-WORKSHEET- 3 ANSWERS

1. CREATE TABLE customers(customerNumber integer PRIMARY KEY NOT NULL, customerName varchar(20), contactLastName varchar(20), contactFirstName varchar(20), phone int(10), addressLine1 varchar(50), addressline2 varchar(50), city varchar(20), state varchar(20), postalCode int , country varchar(20), salesRepEmployeeNumber int, creditLimit int NOT NULL);

2. CREATE TABLE orders(orderNumber int PRIMARY KEY NOT NULL, orderDate DATE, requiredDate DATE, shippedDate DATE, status VARCHAR(15), comments text, customerNumber int, FOREIGN KEY(customerNumber) REFERENCES customers(customerNumber));

3. SELECT * FROM orders;

4. SELECT comments FROM orders;

5. SELECT orderDate,count(*) from orders group by OrderDate;

6. SELECT employeeNumber,lastName,firstName from employees;

7. SELECT orderNumber, customerName from orders inner join customers on orders.customerNumber=customers.customerNumber order by orderNumber;

8. SELECT customerName, concat(lastName, " ", firstName) from customers join employees on customers.salesRepEmployeeNumber=employees.employeeNumber;

9. SELECT paymentDate, sum(amount) from payments group by paymentDate;

10. SELECT productName, MSRP, productDescription from products;

11. SELECT productName, productDescription from products where max(count(productCode));

12. SELECT DISTINCT city FROM customers where max(count(orderNumber));

13. SELECT state FROM customers where max(GROUP BY STATE);

14. SELECT employeeNumber, concat(lastName,firstName) as FullName from employees;

15. . SELECT

```
orderdetails.orderNumber,customerName,(priceEach*quantityOrdered  
) as total_amount from orders join orderdetails on  
orders.orderNumber=orderdetails.orderNumber join customers on  
customers.customerNumber=orders.customerNumber group by  
orderdetails.orderNumber order by orderdetails.orderNumber;
```