

SQL WORKSHEET 3

SUBMITTED BY : SHAHLA M

```
1. CREATE TABLE customers(customerNumber integer PRIMARY KEY,  
                             customerName varchar(20),  
                             customerLastName varchar(20),  
                             customerFirstName varchar(20),  
                             phone int,  
                             addressLine1 varchar(50),  
                             addressline2 varchar(50),  
                             city varchar(20),  
                             state varchar(20),  
                             postalCode int,  
                             country varchar(20),  
                             salesRepEmployeeNumber int,  
                             creditLimit int,  
                             FOREIGN KEY(salesRepEmployeeNumber)  
                             REFERENCES employees(employeeNumber));
```

```
2 . CREATE TABLE orders(orderNumber integer PRIMARY KEY,  
                           orderDate date, requiredDate date,  
                           shippedDate date, status char(15),  
                           comments text, customerNumber int,  
                           FOREIGN KEY(customerNumber) REFERENCES  
customers(customerNumber));
```

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 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 products.productName, products.productDescription from
orderdetails inner join products on
orderdetails.productCode=products.productCode group by
orderdetails.productCode
order by count(orderdetails.productCode) desc limit 1\G
12. SELECT customers.city,count(orders.orderNumber) as c from orders inner
join customers on
orders.customerNumber=customers.customerNumber group by
customers.city order by c desc limit
1;
13. Select state from customers group by state order by count(state) desc limit
1;
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