

WORKSHEET-3 SQL

Question 1- write SQL query to create table customers.

```
Mysql> create table customers(  
    ->customersNumber int,  
    ->customersName varchar(20),  
    ->contactLastName varchar(10),  
    ->contactFirstName varchar(10),  
    ->phone int,  
    ->addressLine1 varchar(30),  
    ->addressLine2 varchar(20),  
    ->city varchar (10),  
    ->state varchar(15),  
    ->postalCode int,  
    ->country varchar(15),  
    ->salesRepEmployeeNumber int,  
    ->creditLimit int);
```

Query OK, 0 rows affected (1.80 sec)

```
Mysql>show tables;
```

```
+-----+  
| Tables_in_sqlsheet |  
+-----+
```

```
| Customers      |
+-----+
```

1 row in set (0.00sec)

Q2. Write SQL query to create table orders.

Ans-

```
Mysql>create table order (
```

```
-> orderNumber int,
```

```
-> orderDate Date,
```

```
-> requiredDate Date,
```

```
-> shippedDate Date,
```

```
-> status varchar (15),
```

```
-> comments varchar (25),
```

```
-> customerNumber int );
```

Query OK, 0 rows affected (0.56 sec)

```
Mysql>show tables;
```

```
+-----+
| Tables_in_sqlsheet |
+-----+
```

```
| customers      |
```

```
| orders          |
```

```
+-----+
```

2 rows in set (0.00 sec)

Q3. Write SQL query to show all the columns data from the orders table.

Ans-

Mysql>desc customers;

Field	Type	Null	Key	Default	Extra
customerNumber	int	YES		NULL	
customerName	varchar(20)	YES		NULL	
contactLastName	varchar(10)	YES		NULL	
contactFirstName	varchar(10)	YES		NULL	
phone	int	YES		NULL	
addressLine1	varchar(30)	YES		NULL	
addressLine2	varchar(20)	YES		NULL	
city	varchar(10)	YES		NULL	
state	varchar(15)	YES		NULL	
postalCode	int	YES		NULL	
country	varchar(15)	YES		NULL	
salesRepEmployeeNumber	int	YES		NULL	
creditLimit	int	YES		NULL	

13 rows in set(0.05sec)

Q4. Write SQL query to show all the comments from the orders table.

Ans- mysql>select comments from orders;

Q5. Write a SQL query to show orderDate and total number of order placed on that date, from Order table.

Ans- mysql>select orderDate,sum(orderDate) from orders;

Q6. Write a SQL query to show employeeNumber, lastName, firstName of all the employees from employee table.

Ans- mysql>select employeeNumber, lastName,firstName from employees;

Q7. Write a SQL query to show all orderNumber,customerName of the person who placed the repective order.

Ans- mysql>select orderNumber from orders UNION select customersName from customers;

Q8. Write a SQL query to show name of all the customer in one column and saleremployee name In another column.

Ans- mysql>select customerName, salesRepEmployeeNumber from employees;

Q9. Write a SQL query to show data in one column and total payment amount of the payment made on that date from the payment table.

Ans- mysql>select paymentDate,sum(paymentDate) from payment;

Q10. Write a SQL query to show all the product productName, MSRP,productDescription from the product table.

Ans- mysql>select productName, MSRP, productDescription from products;

Q11. Write a SQL query to print the productName,productDescription of the most ordered product.

Ans- mysql>SELECT productDescription, COUNT(*) FROM products GROUP BY productName ORDER BY productName;

Q12. Write a SQL query to print the city name where maximum number of orders were placed.

Ans- mysql>select city from orders inner join customer on

City.customernumber=customer.customerNumber group by city order by count(ordernumber) desc limit3;

Q13. Write a SQL query to print the name of the state having maximum number of customer.

Ans- select state from customer group by state order by Count(customerNmuber)
desc limit 3;

Q14. Write a SQL query to print the employee number in one column and full name of the employee in the second column for all the employees.

Ans- select employeeNumber,concat(FirstName,LastNmae) as 'Full Name'

From employees;

Q15. Wirte a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order(quantityOrdered × priceEach).

Ans- SELECT ordernumber, customerName, SUM(priceEach × quantityOrdered)
total FROM orderDetails INNER JOIN customer USING (productCode) GROUP BY
productCode

ORDER BY total;