

## WORKSHEET 4 SQL

1. Write a SQL query to show average number of orders shipped in a day (use Orders table).

Ans:

```
Select Avg(ShippedOrders) from (Select Count(*) as ShippedOrders, ShippedDate From Orders group By shippedDate)
```

2. Write a SQL query to show average number of orders placed in a day.

Ans:

```
Select Avg(orderdate) from (Select Count(*) as orderDate, ShippedDate From Orders group By shippedDate)
```

3. Write a SQL query to show the product name with minimum MSRP (use Productstable).

Ans:

```
SELECT top 1 ProductName FROM Products order by MSRP;
```

4. Write a SQL query to show the product name with maximum value of stockQuantity.

Ans:

```
SELECT top 1 ProductName FROM Products order by quantityInStock dec;
```

5. Write a query to show the most ordered product Name (the product with maximum number of orders).

Ans:

Select ProductName from Products Where productCode IN  
(Select productCode, Max(qty) from  
(Select productCode, Sum(quantityOrdered) as qty from  
orderdetails group by productCode))

6. Write a SQL query to show the highest paying customer Name.

Ans:

Select customerName from customers where quantityordered  
IN(select quantityordered, Max(qty)from (select quantityordered,  
Sum(priceeach)as qty from orderdetails group by quantityordered  
)

7. Write a SQL query to show customerNumber, customerName of  
all the customers who are from Melbourne city.

Ans:

Select customerNumber,customerName from customers where  
city='Melbourne';

8. Write a SQL query to show name of all the customers whose  
name start with "N".

Ans:

Select customerName from customers where customerName  
LIKE 'N%'

9. Write a SQL query to show name of all the customers whose  
phone start with '7' and are from city 'LasVegas'.

Ans:

SELECT customerName FROM customers WHERE phone LIKE  
'7%' AND city IN (SELECT city FROM customers WHERE City =  
'LasVegas');

10. Write a SQL query to show name of all the customers whose creditLimit < 1000 and city is either "Las Vegas" or "Nantes" or "Stavern".

Ans:

```
Select customerName from customers where creditLimit<1000  
AND (city='Las Vegas' OR city='Nantes' OR city='Stavern');
```

11. Write a SQL query to show all the orderNumber in which quantity ordered <10.

Ans:

```
Select orderNumber from orderdetails WHERE  
quantityOrdered<10;
```

12. Write a SQL query to show all the orderNumber whose customer Name start with letter 'N'.

Ans:

```
Select o.orderNumber FROM orders o LEFT JOIN customers c  
ON c.customerNumber = o.customerNumber WHERE  
c.customerName LIKE 'N%'
```

13. Write a SQL query to show all the customerName whose orders are "Disputed" in status.

Ans:

```
Select customerName from orders where status='Disputed';
```

14. Write a SQL query to show the customerName who made payment through cheque with checkNumber starting with H and made payment on "2004-10-19".

Ans:

```
Select customerName from customers where  
paymentDate='2004-10-19' AND checkNumber like='H%';
```

15. Write a SQL query to show all the checkNumber whose amount > 1000.

Ans:

```
Select checkNumber from payments where amount>1000;
```