

WORKSHEET 4 SQL

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

Ans. SELECT date(shippeddate), avg(ordernumber) AS daily_total
FROM orders
GROUP BY date(shippeddate)

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

Ans. SELECT date(orderdate), avg(ordernumber) AS daily_total
FROM orders
GROUP BY date(orderdate)

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

ASSIGNMENT

Ans. SELECT top 1 Productname
FROM Products order by msrp asc

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

Ans. SELECT top 1 Productname
FROM Products order by quantity in stock desc

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

Ans. select top 1 Productname from
(
SELECT top 1 p.Productname,o.productCode,count(o.productCode) as CountNum
FROM Products p
inner join Orders o
on o.productCode = p.productCode
group by p.Productname,o.productCode
)
order by CountNum desc

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

Ans. select top 1 c.CustomerName
from customers c
inner join payments p
on p.customerNumber=c.customerNumber
order by p.amount desc

7. Write a SQL query to show customer Number, customer Name of all the customers who are from Melbourne city.

Ans. select 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 'Las Vegas'.

Ans. select customername
from customers where customername='LasVegas' and phone like '7%'

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

Ans. select customername from
customers where creditLimit < 1000 and city in ('Las Vegas','Nantes','Stavern')

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

Ans. select orderNumber
from orderdetails where quantityordered <10

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

Ans. select o.ordernumber
from customers c
inner join orders o
on o.customerNumber=c.customerNumber
where c.customerName like 'N%'

13. Write a SQL query to show all the customer Name whose orders are “Disputed” in status.

Ans. select c.CustomerName
from customers c
inner join orders o
on o.customerNumber=c.customerNumber
where o.status = 'Disputed'

14. Write a SQL query to show the customer Name who made payment through cheque with check Number starting with H and made payment on “2004-10-19”.

Ans. select c.CustomerName
from customers c
inner join payments p
on p.customerNumber=c.customerNumber
where p.checkNumber like 'H%' and
cast(paymentDate as date)=cast('2004-10-19' as date)

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

Ans. select checknumber from payments where amount>1000