WORKSHEET 4 SQL

Q1. Write a SQL query to show average number of orders shipped in a day (use Orders table).

Ans.

```
SELECT customerName, AVG(orderDate –requiredDate)
FROM (SELECT customerName, orderDate
    ,LAG(orderDate) OVER (PARTITION BY customerName ORDER BY
orderDate) as requiredDate
FROM #orders WHERE customerName=2)
```

Q2. Write a SQL query to show average number of orders placed in a day.

Ans.

```
SELECT date(orderDate), COUNT(orderNumber) AS orderNumber,
SUM(orderNumber) AS orderDate
FROM order
WHERE orderDate>=date(shippedDate, INTERVAL 31 DAY)
GROUP BY date(orderDate)
```

Q3. Write a SQL query to show the product name with minimum MSRP (use Productstable).

Ans.

	productName	MSRP
0	Colgate	110
1	Amul Cow Milk	63

Q4. Write a SQL query to show the product name with maximum value of stock Quantity.

Ans.

```
SELECT  *
FROM    productName
        INNER JOIN
        (
            SELECT Category, MAX(price) maxprice
            FROM productName
            GROUP BY category
        ) b ON a.category = b.category AND
                a.price = b.maxprice
```

Q5. Write a query to show the most ordered product Name (the product with maximum number of orders).

Ans.

```
SELECT customerNumber, COUNT(DISTINCT orderNumber),
MAX(price)
FROM orderNymber
GROUP BY customerNumber
ORDER BY 2 DESC
```

Q6. Write a SQL query to show the highest paying customer Name.

Ans.

```
Select customerName
FROM customer1
WHERE highestpaying customerName = (select max(price) FROM
customer1)
```

Q7. Write a SQL query to show cutomerNumber, customerName of all the customers who are FROM Melbourne city.

Ans.

```
SELECT customerName,customerNumber,country

FROM customer1
ORDER BY 3 DESC
```

Q8. Write a SQL query to show name of all the customers whose name start with “N”.

Ans.

```
SELECT * FROM Orders1
SELECT * FROM Orders1 WHERE customerName LIKE ‘N%’;
```

Q9. Write a SQL query to show name of all the customers whose phone start with ‘7’ and are FROM city ‘LasVegas’.

Ans.

```
SELECT * FROM customers1

SELECT * FROM customers1 WHERE phone LIKE ‘7%’ and FROM country;
```

Q10. 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, creditLimit<1000 * FROM customers1
WHERE name in(SELECT customerName
FROM customers1
WHERE country = 'Las Vegas' or ‘Nantes’ or ‘Stavern’);
```

Q11. Write a SQL query to show all the orderNumber in which quantity ordered <10.

Ans.

```
SELECT * FROM Orders1
ORDER BY orderNumber;
```

Q12. Write a SQL query to show all the orderNumber whose customer Name start with letter ‘N’.

Ans.

```
SELECT * FROM Orders1
SELECT * FROM Orders1 WHERE orderNumber and customerName LIKE ‘N%’
```

Q13. Write a SQL query to show all the customerName whose orders are “Disputed” in status.

Ans.

```
SELECT customerName,(SELECT Orders1.status * FROM Orders1 WHERE
Orders1.customerName = .customerName order BY Orders1.orderDate desc
limit 1) AS lastOrderStatus, SUM(Status = 'Disputed' ) cntDisputed,
FROM Orders1
GROUP BY customerName
```

Q14. 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, checkNumber on 2004-10-19 * FROM payments1

WHERE name in (SELECT customerName * FROM payments1

WHERE customerName LIKE ‘H%’;
```

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

Ans.

```
SELECT * FROM payments1
SELECT * FROM payments1 WHERE checkNumber>1000
```

THANK YOU