

SQL WORKSHEET 4

1Q. SELECT ord_no, ord_date,
required_date,Shipped_Date
FROM orders
SELECT AVG (Shipped_Date)
FROM orders;

2Q. SELECT ord_no, ord_date,
required_date,Shipped_Date
FROM orders
SELECT AVG (Shipped_Date)
FROM orders;

3Q. SELECT MIN(product_name)
FROM products
WHERE condition;
SELECT MIN(Price) AS SmallestPrice
FROM Products;

4Q.SELECT product

```
FROM product a
INNER JOIN
(
    SELECT Category, MAX(Price)
maxPrice
    FROM product
    GROUP BY Category
) b ON a.category = b.category AND
    a.price = b.maxPrice
```

(OR)

```
SELECT
ProductId,ProductName,Category,Price
FROM
(
    SELECT
ProductId,ProductName,Category,Price,
    ROW_NUMBER() OVER (PARTITION
BY CATEGORY ORDER BY Price DESC)
ROW_NUM
    FROM tbProduct
```

```
) allProducts  
WHERE ROW_NUM = 1
```

```
5Q. SELECT * FROM (  
      SELECT product,COUNT(*)  
      FROM placed  
      GROUP BY cid  
      ORDER BY COUNT(*) DESC  
    ) a  
WHERE rownum = 1
```

```
6Q. SELECT CUSTOMER_NAME, Y.QNTY  
      FROM CUSTOMER_T CUST,  
      (  
        SELECT X.CUSTOMER_ID, X.QNTY,  
        MAX(X.QNTY) MAXAMT  
        FROM (  
          SELECT ORD.CUSTOMER_ID,  
          SUM(OLN.QUANTITY * PRD.UNIT_PRICE)  
          QNTY  
          FROM ORDER_T ORD,  
          ORDER_LINE_T OLN, PRODUCT_T PRD
```

```
WHERE
TRUNC(OLN.ORDER_DATE,'YEAR') =
TRUNC(SYSDATE,'YEAR')
AND ORD.ORDER_ID =
OLN.ORDER_ID
AND PRD.PRODUCT_ID =
OLN.PRODUCT_ID
GROUP BY ORD.CUSTOMER_ID
) X
) Y
WHERE CUST.CUSTOMER_ID =
Y.CUSTOMR_ID AND Y.QNTY = Y.MAXAMT;
```

7Q. SELECT customer.cust_name,
Melbourne.name, Melbourne.city
FROM Melbourne, customer
WHERE Melbourne.city =
customer.city;

8Q. SELECT first_name "Name",
LENGTH(first_name) "Length"
FROM customers

```
WHERE first_name LIKE 'N%'
ORDER BY first_name ;
```

9Q. SELECT first_name "Name",
 LENGTH(first_name) "Length"
 FROM customers
 WHERE first_name LIKE
'LasVegas%'
 OR phone_number LIKE '7%'
 ORDER BY first_name ;

10Q. SELECT first_name "Name",
 LENGTH(first_name) "Length"
 FROM customers
 WHERE credit_limit LIKE
'<1000%'
 OR first_name LIKE 'LasVegas%'
 OR first_name LIKE 'Nantes%'
 OR first_name LIKE 'Stavern%'
 ORDER BY first_name ;

11Q. SELECT ord_no

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FROM orders  
WHERE quantity_ord<10;
```

```
12Q.SELECT o.orderNumber  
      FROM orders o  
      LEFT JOIN customers c  
      ON c.customerNumber =  
o.customerNumber  
      WHERE c.customerName LIKE  
'N%'
```

```
13Q. SELECT Customers.CustomerName,  
Count(*)  
      FROM Orders LEFT OUTER JOIN  
Customers  
      WHERE  
Orders.Disputed=Customers.CustomerID  
GROUP BY Customers.CustomerName;
```

```
14Q. CREATE VIEW customerPayments  
      AS
```

```
SELECT
customerName,
checkNumber,
paymentDate,
amount
FROM
customers
INNER JOIN
payments USING
(customerNumber);
```

15Q. SELECT *

```
FROM employees
WHERE checknumber BETWEEN
(SELECT 1000) AND >1000;
```