**WORKSHEET 4 – SQL**

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

**ANS**-

select(select count(shippedDate) from orders)/(select count(distinct(shippedDate)) from orders) as average\_shipped\_products\_per\_day;

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

**ANS**-

select(select count(orderDate) from orders)/(select count(distinct(orderDate)) from orders) as average\_order\_products\_per\_day;

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

**ANS**-

select productName, MSRP from products order by MSRP limit 1;

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

**ANS-**

select productName, quantityinStock from products order by quantityinStock desc limit 1;

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

**ANS-**

SELECT p.productName FROM products as p JOIN orderdetails as o using(productCode) GROUP BY p.productCode ORDER BY Sum(quantityOrdered) DESC LIMIT 1;

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

**ANS-**

select c.customerNumber,c.customerName,p.amount from customers as c JOIN payments as p USING(customerNumber) order by amount desc limit 1;

1. **Write a SQL query to show cutomerNumber, customerName of all the customers who are from Melbourne city.**

**ANS-**

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

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

**ANS-**

select customerNumber, customerName from customers where customerName like "N%";

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

**ANS-**

select customerNumber, customerName from customers where city='Las Vegas' and phone like '^7.\*';

1. **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 customerNumber, customerName from customers where city='Las vegas' or city='Stavern' or city='Nantes' and creditLimit < 1000;

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

**ANS-**

select ordernumber from orderDetails where quantityOrdered <10;

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

**ANS-**

select o.ordernumber,c.customerName from orders as o JOIN customers as c using(customerNumber) where customerName like 'N%';

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

**ANS-**

SELECT c.customerName from customers as c JOIN orders as o using (customerNumber) WHERE status = 'Disputed';

1. . **Write a SQL query to show the customerName who made payment through cheque with checkNumber startingwith H and made payment on “2004-10-19”.**

**ANS-**

select c.customerName from customers as c JOIN payments as p using(customerNumber) where checkNumber like 'H%';

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

**ANS-**

select checkNumber, amount from payments where amount >1000;