SQL WORKSHEET

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

Answer : orders = cursor.execute("SELECT date(shippedDate),AVG(QuantityOrdered) AS avg FROM Orders , OrderDetails WHERE OrderDetails.orderNo = Orders.orderNo GROUP BY date(shippedDate)")

```
for i in orders :
    print(i)
```

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

Answer : avg = cursor.execute("SELECT date(orderDate) , AVG(Quantityordered) FROM Orders , OrderDetails WHERE OrderDetails.orderNo = Orders.orderNo GROUP BY date(orderDate)")

```
    for i in avg:
        print(i)
```

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

Answer : prd_name = cursor.execute("SELECT ProductName ,MIN(MSRP) FROM Products GROUP BY MSRP")

```
            for i in prd_name:
                print(i)
```

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

Answer : product = cursor.execute("SELECT ProductName ,MAX(QuantityInStock) FROM Products GROUP BY QuantityInStock")

```
for i in product:
    print(i)
```

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

Answer : most_ordered = cursor.execute("SELECT Products.ProductName , SUM(OrderDetails.QuantityOrdered) FROM OrderDetails INNER JOIN Products ON Products.ProductCode = OrderDetails.ProductCode GROUP BY OrderDetails.QuantityOrdered ORDER BY SUM(OrderDetails.QuantityOrdered) DESC")

```
for i in most_ordered:
    print(i)
```

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

Answer : high = cursor.execute("SELECT CustomeName , MAX(Amount) AS Amount FROM Customers ,Payment WHERE Customers.CustomerNo = Payment.CustomerNo GROUP BY CustomerName ORDER BY MAX(Amount) DESC")

```
for i in high:
    print(i)
```

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

Answer : cust_no = cursor.execute("SELECT CustomerNo ,CustomerName FROM Customers WHERE City = 'Melbourne"")

```
for i in cust_no:
    print(i)
```

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

Answer: cust_name= cursor.execute("SELECT CustomerName FROM Customers WHERE CustomerName LIKE"N%"")

```
for i in cust_name:
    print(i)
```

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

Answer : phone = cursor.execute("SELECT CustomerName,Phone ,City FROM Customers WHERE Phone LIKE "7%" AND City = "Las Vegas"")

```
for i in phone:
    print(i)
```

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".**

Answer : cred = cursor.execute("SELECT CustomerName , CreditLimit , City FROM Customers WHERE CreditLimit<1000 AND City = "Las Vegas" OR City ='Nantes" OR City = "Stavern"")

```
for i in cred:
    print(i)
```

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

Answer : ordernum = cursor.execute("SELECT OrderNo , QuantityOrdered FROM OrderDetails WHERE QuantityOrdered<10")

```
for i in ordernum:
    print(i)
```

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

Answer : ordernumber= cursor.execute("SELECT Orders.OrderNo ,Customers.CustomerName FROM Orders , Customers ON Orders.CustomerNo = Customers.CustomerNo WHERE Customers.CustomerName LIKE "N%"')

```
for i in ordernumber:
    print(i)
```

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

Answer: customername = cursor.execute("SELECT CustomerName ,status FROM Customers , Orders ON Orders.CustomerNo = Customers.CustomerNo WHERE status = 'Disputed"")

```
for i in customername:
    print(i)
```

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".

Answer: payment = cursor.execute("SELECT CustomerName , ChequeNo , PaymentDate FROM Customers INNER JOIN Payment ON Customers.CustomerNo = Payment.CustomerNo WHERE Payment.ChequeNo LIKE "H%" AND Payment.PaymentDate = "2004-10-19"")

```
for i in payment:
    print(i)
```

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

Answer: Cheque = cursor.execute("SELECT ChequeNo , Amount FROM Payment WHERE Amount>1000")

```
for i in Cheque:
    print(i)
```