SQL

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)