

SQL

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

```
sql_command = """SELECT date(shippeddate), AVG(QuantityOrdered) AS  
num_orders FROM Orders,  
OrderDetails WHERE OrderDetails.orderNo = Orders.orderNo GROUP BY  
date(shippeddate);"""  
  
select= cursor.execute(sql_command) for i in select  
print(i)
```

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

```
"""SELECT date(orderdate),  
AVG(QuantityOrdered) FROM Orders,  
OrderDetails WHERE OrderDetails.orderNo = Orders.orderNo GROUP BY date(orderdate);"""  
  
select= cursor.execute(sql_command)  
for i in select:  
print(i)
```

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

```
"""SELECT ProductName, MIN(MSRP) FROM Products GROUP  
BY MSRP;"""  
  
select= cursor.execute(sql_command)  
for i in select:  
print(i)
```

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

```
SELECT ProductName, MAX(Quantity In Stock) FROM Products GROUP BY  
QuantityInStock;"""  
  
select= cursor.execute(sql_command)  
for i in select:  
print(i)
```

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

```

"""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;"""
select= cursor.execute(sql_command)
for i in select:
print(i)

```

6. Write a SQL query to show the highest paying customer Name. """SELECT CustomerName ,
MAX(Amount) AS Amount FROM Customers,
Payment WHERE Customers.CustomerNo= Payment.CustomerNo GROUP BY CustomerName
ORDER BY MAX(Amount) DESC;"""

```

select= cursor.execute(sql_command)
for i in select:
print(i)

```

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

```

"""SELECT CustomerNo, CustomerName FROM Customers WHERE City = "Melbourne";"""
select= cursor.execute(sql_command)
for i in select:

```

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

```

"""SELECT CustomerName FROM Customers
WHERE CustomerName LIKE "N%";"""
select= cursor.execute(sql_command)
for i in select:
print(i)

```

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

```

"""SELECT CustomerName, Phone, City FROM Customers
WHERE Phone LIKE "7%" and City = "Las Vegas";"""

```

```
select= cursor.execute(sql_command)
```

```
for i in select:
```

```
    print(i)
```

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

```
"""SELECT ChequeNo, Amount FROM Payment
```

```
WHERE Amount>1000;"""
```

```
select= cursor.execute(sql_command)
```

```
for i in select:
```

```
    print(i)
```