SQL WORKSHEET – 3

1. Write SQL query to create table **Customers.**
   Ans: import sqlite3
   dbcon=sqlite3.connect('custdatabase.db')
   cur=dbcon.cursor()
   cur.execute("create table customers(customerNumber int primary key, customerName text, contactLastName text, contactFirstName text, phone int, addressLine1 text, addressLine2 text, city text, state text, postalCode text, country text, salesRepEmployeeNumber int, creditLimit int)")

2. Write SQL query to create table **Orders.**
   Ans: import sqlite3
   dbcon=sqlite3.connect('orddatabase.db')
   cur=dbcon.cursor()
   cur.execute("create table orders(orderNumber int primary key, orderDate int, requiredDate int, shippedDate int, status text, comments text, customerNumber int)")

3. Write SQL query to show all the columns data from the **Orders** Table.
   Ans: result=cur.execute("select * from orders")

   for row in result:

   print(row)

4. Write SQL query to show all the comments from the **Orders** Table.
   Ans: results=cur.execute("select comments from orders")

   results.fetchall()

5. Write a SQL query to show orderDate and Total number of orders placed on that date, from **Orders** table.
   Ans: results=cur.execute("select orderDate, requiredDate from orders")

   results.fetchall()

6. Write a SQL query to show employeNumber, lastName, firstName of all the employees from **employees** table.
   Ans: results=cur.execute("select employeeNumber, lastName, firstName from employees")

   results.fetchall()

7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.
   Ans: sql=”select order.orderNumber, customers.customersName from orders INNER JOIN customers on orders.customerNumber = customers.customerNumber”

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results=cur.execute(sql)

for row in results:

    print(row)
```

8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column.
   Ans: results=cur.execute(“select customerName, salesRepEmployeeNumber from customers”)

```
results.fetchall()
```

9. Write a SQL query to show Date in one column and total payment amount of the payments made on that date from the **payments** table.
   Ans: results=cur.execute(“select paymentDate, amount from payments”)

```
results.fetchall()
```

10. Write a SQL query to show all the products productName, MSRP, productDescription from the **products** table.
    Ans: results=cur.execute(“select productName, productDescription, MSRP from products”)

```
results.fetchall()
```

11. Write a SQL query to print the productName, productDescription of the most ordered product.
    Ans: results=cur.execute(“select Top 5 productName, productDescription from products ORDER BY quantityInStock DESC”)

```
results.fetchall()
```

12. Write a SQL query to print the city name where maximum number of orders were placed.
    Ans: results=cursor.execute("select max(city) from customers")

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print("City = ", result.fetchone())
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13. Write a SQL query to get the name of the state having maximum number of customers.
    Ans: results=cursor.execute("select max(state) from customers")

    print("State = ", result.fetchone())

14. Write a SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.
    Ans: results=cursor.execute(“select employeeNumber, firstName+ ‘ ’ + lastName as fullName from employees”)

    results.fetchall()

15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).
    Ans: sql=”select O.orederNumber, cu.customerName, P.amount from oders as O INNER JOIN customers as cu on O.customerNumber=cu.customerNumber INNER JOIN payments as P on P.customerNumber=O.customerNumber”

    results=cur.execute(sql)

    for row in results:

        print(row)