SQL

1. SQL query to create table customers

```
import sqlite3
db=sqlite3.connect("my-database.db")
db.execute("create table
Customers1(customer_number int, customer_name
text, First_name text, Last_name text, phone int,
adrs_line text, city text, state text, post_code int,
country text, rep_cus_num int, credit_limit int)")
```

2. Sql query to create table orders

```
db.execute("create table Orders(order_number int,
order_date date, req_date date, shipped_date date,
status text, comments text, customer_number int)")
```

3. Sql query to show all columns from oreder table

```
res= db.execute("select * from Orders")
for i in res:
   print(i)
```

4. Sql query to show all comments from orders table

```
res= db.execute("select comments from Orders ")
for i in res:
   print(i)
```

5. Sql query to show order date and total order on that date

```
res= db.execute("select COUNT(*) from Orders where
order_date= 12/09/2021 ")
for i in res:
   print(i)
```

6.Sql query to how employeNumber, lastName, firstName of all the employees from **employees** table.

```
res= db.execute("select employeNumber, lastName,
firstName from Employees ")
for i in res:
   print(i)
```

7.Sql query to show all orderNumber, customerName of the person who placed the respective order.

```
res= db.execute ( "SELECT O.orderNumber
        FROM Orders O LEFT JOIN customers1  C ON
        C.customerNumber = O.customerNumber")
for i in res:
    print(i)
```

8. SQL query to show name of all the customers in one column and salerepemployee name in another column.

```
res= db.execute("select customer_Name ,
rep_cus_num from Customers1 ")
```

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

9. SQL query to show Date in one column and total payment amount of the payments made on that date from the **payments** table.

```
res= db.execute("select amount COUNT(*) from
Payments where order_date= 12/09/2021 ")
for i in res:
    print(i)
```

10. SQL query to show all the products productName, MSRP, productDescription from the **products**
table.

```
res= db.execute("select productName, MSRP,
productDescription from P**roducts** ")
for i in res:
    print(i)
```

11. SQL query to print the productName, productDescription of the most ordered product.

```
res= db.execute ( "SELECT Products.product_name,
Product.productDescription, SUM(Orders.quantity) AS
quantity FROM Order_Detail AS o INNER JOIN Product AS
p ON o. product_id = p.product_id GROUP BY o.product_id
        ")
```

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

12. SQL query to print the city name where maximum number of orders were placed.

```
Res= db.execute("Select city from Customers where order_quan=(Select SUM(order_quan) from Orderdetails) order By asc")

Res.fetchall()
```

13. SQL query to get the name of the state having maximum number of customers

```
Res= db.execute("Select state from Customers1 where customer_name=(Select COUNT(customer_name) from Customers1) order By asc")

Res.fetchall()
```

14. SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.

```
Res= db.execute("Select emp_num, CONCAT(First_name, Last_name ) As FirstName From Employees")
For i in Res:
    Print(i)
```

15. SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).

```
Res= db.execute("SELECT
Customers1.customername,Orders.ordernumber,(ord_det.Qua
ntity*product.buyPrice) as Total_Amount
from Customers1  inner join Orders
inner join products
inner join ord_det
on Customers1.Customer_num = Orders.Customer_num
and Orders.ordernum = ord_det.ordernum
and ord_det.Productcode = product.Productcode")

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