Assignment-3

SQL(Answer Sheet)

Ans. 1 # First we create a Database:

```
CREATE DATABASE  Sales_DB;
```

Now we are creating customer table:

```
CREATE TABLE Customers(
                customerNumber int primary key,
                customerName  varchar (50),
                contactLastName varchar(50),
                contactFirstName varchar(50),
                Phone int (20),
                AddressLine1 varchar(100),
                AddressLine2 varchar(100),
                City varchar(20),
                State varchar(20),
                PostalCode int(20),
                Country varchar(30),
                SalesRepEmployeeNumber int(100),
                CreditLimit int(50)
            );
```

Ans.2 # Creating New Order Table:

```
CREATE TABLE order (
                customerNumber int(100),
                 customerName varchar(50),
                requestDate varchar(10),
                 shippedDate varchar(10),
                Status varchar(10),
                Comments varchar(200),
                customerNumber int(20)
             );
```

Ans.3 # Show all the columns from the order table:

```
Data = cursor.execute("SELECT * FROM Order FROM
        Customers")
print(data)
```

Ans.4 # Show all the comments from the order table:

```
data = cursor.execute("SELECT * FROM comments FROM order")
print(data)
```

Ans.5 # Show order Date and Total number of orders placed on that date, from order table:

```
data = cursor.execute("SHOW orderDate, shippedDate FROM order")
print(data)
```

Ans.6 # Show employeeNumber, lastName, firstName from employees table:

```
data = cursor.execute("SHOW employeeNumber, lastName, firstName FROM employees")
print(data)
```

Ans.7 # Show all orderNumber, customerName of the person who placed the respective order:

```
data = cursor.execute(" SHOW orderNumber FROM order customerName FROM customers")
print(data)
```

Ans.8 # Show all name of the customers in one column and salesReEmployee name in another column:

```
SELECT customerName FROM customers INNER JOIN salesReEmployeeName
```

Ans. 9 # Show Date in one column and total payment amount of the payments made on that date from the payments table:

```
Data = cursor.execute("SELECT paymentDate, amount FROM payments")
Print(data)
```

Ans.10 # Show all the products productName, MSRP, productDescription from the products table:

```
Data = cursor.execute("SELECT productName, MSRP,
 productDescription FROM products")
 print(data)
```

Ans.11 # A SQL query to print the productName, productDescription of the most ordered product:

```
Data = cursor.execute("SELECT productName,
 productDescription FROM product")
 print(data)
```

Ans.12 # A SQL query to print the citly name where maximum number of ordered product:

```
Data = cursor.execute("SELECT city FROM customers FROM
    orderdetails where quantityOrdered = max")
print(data)
```

Ans.13 # A SQL query to get the name of the state having maximum number of customers:

```
Data = cursor.execute("SELECT  state FROM customers WHERE
customerNumber = max")
 print(data)
```

Ans.14 # A SQL query to print the employee number in one column and Full name of the employee in the second column for all the employee:

```
Data = cursor.execute("SELECT * FROM employees WHERE
 employees = employeeNumber and fristname, lastName")
print(data)
```

Ans.15 # A SQL query to print the orderNumber, customerName and total amount paid by the customer for that order (quantityOrdered x priceEach):

```
data = cursor.execute("SELECT  orderNumber, customerName,
SUM(totla_amt) FROM orderdetails WHERE total_amt =
quantityOrdered x priceEach")
print(data)
```