VIT®

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

CHENNAI

PROJECT: REVIEW 2

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SLOT: F2+TF2

SCHOOL: SENSE

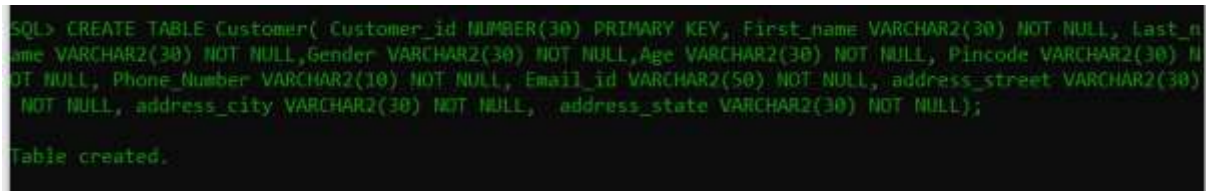
COURSE: BCSE302L (DATABASE SYSTEMS – THEORY)

Ecommerce Website

1) CREATING TABLES:

Customer TABLE:

```
CREATE TABLE Customer(
Customer_id NUMBER(30) PRIMARY KEY,
First_name VARCHAR2(30) NOT NULL,
Last_name VARCHAR2(30) NOT NULL,
Gender VARCHAR2(30) NOT NULL,
Age VARCHAR2(30) NOT NULL,
Pincode VARCHAR2(30) NOT NULL,
Phone_Number VARCHAR2(10) NOT NULL,
Email_id VARCHAR2(50) NOT NULL,
address_street VARCHAR2(30) NOT NULL,
address_city VARCHAR2(30) NOT NULL,
address_state VARCHAR2(30) NOT NULL
);
```



Payment TABLE:

```
CREATE TABLE payments(
Payment_id NUMBER(30) PRIMARY KEY,
Customer_id NUMBER(30),
Amount NUMBER(7) NOT NULL,
Payment_name VARCHAR2(50) NOT NULL,
Payment_cardnumber VARCHAR2(16) NOT NULL,
Payment_cardcvv NUMBER(3) NOT NULL,
Payment_date DATE NOT NULL,
CONSTRAINT cust_id_fk FOREIGN KEY(Customer_id) REFERENCES Customer(Customer_id)
);
```

```
SQL> CREATE TABLE payments(
  2  Payment_id NUMBER(30) PRIMARY KEY,
  3  Customer_id NUMBER(30),
  4  Amount NUMBER(7) NOT NULL,
  5  Payment_name VARCHAR2(50) NOT NULL,
  6  Payment_cardnumber VARCHAR2(16) NOT NULL,
  7  Payment_cardcvv NUMBER(3) NOT NULL,
  8  Payment_date DATE NOT NULL,
  9  CONSTRAINT cust_id_fk FOREIGN KEY(Customer_id) REFERENCES Customer(Customer_id)
 10  );

Table created.
```

Seller TABLE:

```
CREATE TABLE Seller(
Seller_id NUMBER(30) PRIMARY KEY,
s_pass VARCHAR2(30),
Name VARCHAR2(50),
Address VARCHAR2(50),
Phone_num VARCHAR2(50)
);
```

```
SQL> CREATE TABLE Seller(
  2  Seller_id NUMBER(30) PRIMARY KEY,
  3  s_pass VARCHAR2(30),
  4  Name VARCHAR2(50),
  5  Address VARCHAR2(50),
  6  Phone_num VARCHAR2(50)
  7  );

Table created.
```

Product TABLE:

```
CREATE TABLE product(
Product_id NUMBER(20) PRIMARY KEY,
Product_name VARCHAR2(30),
Product_model VARCHAR2(30) NOT NULL,
Product_Cost NUMBER(6) NOT NULL,
Product_Quantity VARCHAR2(30) NOT NULL,
Product_Size VARCHAR2(30) NOT NULL,
Product_Color VARCHAR2(30) NOT NULL,
Commission NUMBER(20),
Seller_id NUMBER(30),
CONSTRAINT Sell_id_fk FOREIGN KEY(Seller_id) REFERENCES Seller(Seller_id)
);
```

```
SQL> CREATE TABLE product(
  2  Product_id NUMBER(20) PRIMARY KEY,
  3  Product_name VARCHAR2(30),
  4  Product_model VARCHAR2(30) NOT NULL,
  5  Product_Cost NUMBER(6) NOT NULL,
  6  Product_Quantity VARCHAR2(30) NOT NULL,
  7  Product_Size VARCHAR2(30) NOT NULL,
  8  Product_Color VARCHAR2(30) NOT NULL,
  9  Commission NUMBER(20),
 10  Seller_id NUMBER(30),
 11  CONSTRAINT Sell_id_fk FOREIGN KEY(Seller_id) REFERENCES Seller(Seller_id)
 12  );

Table created.
```

Cart TABLE:

```
CREATE TABLE Cart(
Cart_id NUMBER(10) PRIMARY KEY,
Customer_id NUMBER(20),
CONSTRAINT custom_id_fk FOREIGN KEY(Customer_id) REFERENCES Customer(Customer_id)
);
```

```
SQL> CREATE TABLE Cart(
  2  Cart_id NUMBER(10) PRIMARY KEY,
  3  Customer_id NUMBER(20),
  4  CONSTRAINT custom_id_fk FOREIGN KEY(Customer_id) REFERENCES Customer(Customer_id)
  5  );

Table created.
```

Cart Items TABLE:

```
CREATE TABLE Cart_items(
Cart_id NUMBER(30),
Product_id NUMBER(20),
Product_name VARCHAR2(30) NOT NULL,
Quantity NUMBER(30),
cost NUMBER(7) NOT NULL,
order_date DATE NOT NULL,
deliver_date DATE NOT NULL,
CONSTRAINT prod_id_fk FOREIGN KEY(Product_id) REFERENCES product(Product_id)
);
```

```
SQL> CREATE TABLE Cart_items(
  2  Cart_id NUMBER(30),
  3  Product_id NUMBER(20),
  4  Product_name VARCHAR2(30) NOT NULL,
  5  Quantity NUMBER(30),
  6  cost NUMBER(7) NOT NULL,
  7  order_date DATE NOT NULL,
  8  deliver_date DATE NOT NULL,
  9  CONSTRAINT prod_id_fk FOREIGN KEY(Product_id) REFERENCES product(Product_id)
 10  );

Table created.
```

2) THE STRUCTURE OF EACH TABLE:

Customer TABLE:

```
SQL> desc Customer;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CUSTOMER_ID                               NOT NULL NUMBER(30)
 FIRST_NAME                                NOT NULL VARCHAR2(30)
 LAST_NAME                                 NOT NULL VARCHAR2(30)
 GENDER                                    NOT NULL VARCHAR2(30)
 AGE                                       NOT NULL VARCHAR2(30)
 PINCODE                                   NOT NULL VARCHAR2(30)
 PHONE_NUMBER                              NOT NULL VARCHAR2(10)
 EMAIL_ID                                  NOT NULL VARCHAR2(50)
 ADDRESS_STREET                            NOT NULL VARCHAR2(30)
 ADDRESS_CITY                              NOT NULL VARCHAR2(30)
 ADDRESS_STATE                             NOT NULL VARCHAR2(30)
```

Payments TABLE:

```
SQL> desc payments;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PAYMENT_ID                                NOT NULL NUMBER(30)
 CUSTOMER_ID                                        NUMBER(30)
 AMOUNT                                    NOT NULL NUMBER(7)
 PAYMENT_NAME                              NOT NULL VARCHAR2(50)
 PAYMENT_CARDNUMBER                        NOT NULL VARCHAR2(16)
 PAYMENT_CARDCVV                           NOT NULL NUMBER(3)
 PAYMENT_DATE                              NOT NULL DATE
```

Seller TABLE:

```
SQL> desc Seller;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SELLER_ID                                 NOT NULL NUMBER(30)
 S_PASS                                             VARCHAR2(30)
 NAME                                               VARCHAR2(50)
 ADDRESS                                            VARCHAR2(50)
 PHONE_NUM                                          VARCHAR2(50)
```

Product TABLE:

```
SQL> desc product;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PRODUCT_ID                                NOT NULL NUMBER(20)
 PRODUCT_NAME                                       VARCHAR2(30)
 PRODUCT_MODEL                             NOT NULL VARCHAR2(30)
 PRODUCT_COST                              NOT NULL NUMBER(6)
 PRODUCT_QUANTITY                          NOT NULL VARCHAR2(30)
 PRODUCT_SIZE                              NOT NULL VARCHAR2(30)
 PRODUCT_COLOR                             NOT NULL VARCHAR2(30)
 COMMISSION                                         NUMBER(20)
 SELLER_ID                                          NUMBER(30)
```

Cart TABLE:

```
SQL> desc Cart;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CART_ID                                   NOT NULL NUMBER(10)
 CUSTOMER_ID                                        NUMBER(20)
```

Cart items TABLE:

```
SQL> desc Cart_items;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CART_ID                                            NUMBER(30)
 PRODUCT_ID                                         NUMBER(20)
 PRODUCT_NAME                              NOT NULL VARCHAR2(30)
 QUANTITY                                           NUMBER(30)
 COST                                      NOT NULL NUMBER(7)
 ORDER_DATE                                NOT NULL DATE
 DELIVER_DATE                              NOT NULL DATE
```

3) INSERT THE RECORDS IN EACH TABLE:

Customer TABLE:

```
SQL> INSERT INTO Customer VALUES (1, 'John', 'Doe', 'Male', '30', '123456', '1234567890', 'john@example.
com', '123 Street', 'City', 'State');

1 row created.

SQL> INSERT INTO Customer VALUES (2, 'Jane', 'Smith', 'Female', '28', '789012', '9876543210', 'jane@exam
ple.com', '456 Avenue', 'Town', 'State');

1 row created.

SQL> INSERT INTO Customer VALUES (3, 'Michael', 'Johnson', 'Male', '35', '345678', '1234567890', 'michae
l@example.com', '789 Road', 'City', 'State');

1 row created.

SQL> INSERT INTO Customer VALUES (4, 'Emily', 'Davis', 'Female', '32', '901234', '9876543210', 'emily@ex
ample.com', '321 Boulevard', 'Town', 'State');

1 row created.

SQL> INSERT INTO Customer VALUES (5, 'David', 'Wilson', 'Male', '40', '567890', '1234567890', 'david@exa
mple.com', '987 Lane', 'City', 'State');

1 row created.
```

Payments TABLE:

```
SQL> INSERT INTO payments VALUES (1, 1, 100, 'Credit Card', '1234567890123456', 123, TO_DATE('2022-01-01
', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO payments VALUES (2, 2, 50, 'Debit Card', '9876543210987654', 456, TO_DATE('2022-01-02',
 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO payments VALUES (3, 3, 200, 'Credit Card', '5678901234567890', 789, TO_DATE('2022-01-03
', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO payments VALUES (4, 4, 75, 'Debit Card', '0123456789012345', 234, TO_DATE('2022-01-04',
 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO payments VALUES (5, 5, 150, 'Credit Card', '9012345678901234', 567, TO_DATE('2022-01-05
', 'YYYY-MM-DD'));

1 row created.
```

Seller TABLE:

```
SQL> INSERT INTO Seller VALUES (1, 'password1', 'Seller 1', 'Address 1', '1234567890');

1 row created.

SQL> INSERT INTO Seller VALUES (2, 'password2', 'Seller 2', 'Address 2', '9876543210');

1 row created.

SQL> INSERT INTO Seller VALUES (3, 'password3', 'Seller 3', 'Address 3', '2345678901');

1 row created.

SQL> INSERT INTO Seller VALUES (4, 'password4', 'Seller 4', 'Address 4', '8901234567');

1 row created.

SQL> INSERT INTO Seller VALUES (5, 'password5', 'Seller 5', 'Address 5', '4567890123');

1 row created.
```

Product TABLE:

```
SQL> INSERT INTO product VALUES (1, 'Shirt', 'Model 1', 30, '10', 'M', 'Blue', 5, 1);

1 row created.

SQL> INSERT INTO product VALUES (2, 'Jeans', 'Model 2', 50, '5', 'L', 'Black', 8, 2);

1 row created.

SQL> INSERT INTO product VALUES (3, 'Shoes', 'Model 3', 80, '3', '9', 'Brown', 10, 3);

1 row created.

SQL> INSERT INTO product VALUES (4, 'Dress', 'Model 4', 40, '8', 'S', 'Red', 6, 4);

1 row created.

SQL> INSERT INTO product VALUES (5, 'Watch', 'Model 5', 100, '2', 'One Size', 'Silver', 12, 5);

1 row created.
```

Cart TABLE:

```
SQL> INSERT INTO Cart VALUES (1, 1);

1 row created.

SQL> INSERT INTO Cart VALUES (2, 2);

1 row created.

SQL> INSERT INTO Cart VALUES (3, 3);

1 row created.

SQL> INSERT INTO Cart VALUES (4, 4);

1 row created.

SQL> INSERT INTO Cart VALUES (5, 5);

1 row created.
```

Cart items TABLE:

```
SQL> INSERT INTO Cart_items VALUES (1, 1, 'Shirt', 2, 30, TO_DATE('2022-01-01', 'YYYY-MM-DD'), TO_DATE('
2022-01-05', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO Cart_items VALUES (2, 2, 'Jeans', 1, 50, TO_DATE('2022-01-02', 'YYYY-MM-DD'), TO_DATE('
2022-01-06', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO Cart_items VALUES (3, 3, 'Shoes', 1, 80, TO_DATE('2022-01-03', 'YYYY-MM-DD'), TO_DATE('
2022-01-07', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO Cart_items VALUES (4, 4, 'Dress', 2, 40, TO_DATE('2022-01-04', 'YYYY-MM-DD'), TO_DATE('
2022-01-08', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO Cart_items VALUES (5, 5, 'Watch', 1, 100, TO_DATE('2022-01-05', 'YYYY-MM-DD'), TO_DATE(
'2022-01-09', 'YYYY-MM-DD'));

1 row created.
```

4) DISPLAY THE VALUES IN EACH TABLE:

Customer TABLE:

```
SQL> SELECT * FROM Customer;

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
          1 John                           Doe
```

```
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
         1 John                           Doe

CUSTOMER_ID FIRST_NAME                      LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
Male                           30

CUSTOMER_ID FIRST_NAME                      LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
123456                         1234567890

CUSTOMER_ID FIRST_NAME                      LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
john@example.com

CUSTOMER_ID FIRST_NAME                      LAST_NAME
----------- ------------------------------ ------------------------------
```

```
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
123 Street                     City

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
State

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------


CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
          2 Jane                           Smith
```

```
CUSTOMER_ID FIRST_NAME                    LAST_NAME
----------- ----------------------------- ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
Female                         28

CUSTOMER_ID FIRST_NAME                    LAST_NAME
----------- ----------------------------- ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
789012                         9876543210

CUSTOMER_ID FIRST_NAME                    LAST_NAME
----------- ----------------------------- ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
jane@example.com

CUSTOMER_ID FIRST_NAME                    LAST_NAME
----------- ----------------------------- ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
```

```
------------------------------
456 Avenue                     Town

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
State

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------


CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
          3 Michael                    Johnson

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
```

```
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
Male                           35

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
345678                         1234567890

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
michael@example.com

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
789 Road                       City

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
```

```
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
State

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------


CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
          4 Emily                          Davis

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
Female                         32

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
```

```
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
901234                         9876543210

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
emily@example.com

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
321 Boulevard                  Town

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
State

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
```

```
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------


CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
          5 David                          Wilson

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
Male                           40

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
567890                         1234567890

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
```

```
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
david@example.com

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
987 Lane                       City

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
State

CUSTOMER_ID FIRST_NAME                     LAST_NAME
----------- ------------------------------ ------------------------------
GENDER                         AGE
------------------------------ ------------------------------
PINCODE                        PHONE_NUMB
------------------------------ ----------
EMAIL_ID
--------------------------------------------------
ADDRESS_STREET                 ADDRESS_CITY
------------------------------ ------------------------------
ADDRESS_STATE
------------------------------
```

Payments TABLE:

```
SQL> SELECT * FROM payments;

PAYMENT_ID CUSTOMER_ID     AMOUNT
---------- ----------- ----------
PAYMENT_NAME                                       PAYMENT_CARDNUMB
-------------------------------------------------- ----------------
PAYMENT_CARDCVV PAYMENT_D
--------------- ---------
         1           1        100
Credit Card                                        1234567890123456
            123 01-JAN-22

         2           2         50
Debit Card                                         9876543210987654
            456 02-JAN-22

PAYMENT_ID CUSTOMER_ID     AMOUNT
---------- ----------- ----------
PAYMENT_NAME                                       PAYMENT_CARDNUMB
-------------------------------------------------- ----------------
PAYMENT_CARDCVV PAYMENT_D
--------------- ---------

         3           3        200
Credit Card                                        5678901234567890
            789 03-JAN-22

         4           4         75
Debit Card                                         0123456789012345

PAYMENT_ID CUSTOMER_ID     AMOUNT
---------- ----------- ----------
PAYMENT_NAME                                       PAYMENT_CARDNUMB
-------------------------------------------------- ----------------
PAYMENT_CARDCVV PAYMENT_D
--------------- ---------
            234 04-JAN-22

         5           5        150
Credit Card                                        9012345678901234
            567 05-JAN-22
```

Seller TABLE:

```
SQL> SELECT * FROM Seller;

 SELLER_ID S_PASS
---------- ------------------------------
NAME
--------------------------------------------------
ADDRESS
--------------------------------------------------
PHONE_NUM
--------------------------------------------------
         1 password1
Seller 1
Address 1
1234567890


 SELLER_ID S_PASS
---------- ------------------------------
NAME
--------------------------------------------------
ADDRESS
--------------------------------------------------
PHONE_NUM
--------------------------------------------------
```

```
--------------------------------------------------
         2 password2
Seller 2
Address 2
9876543210


 SELLER_ID S_PASS
---------- ------------------------------
NAME
--------------------------------------------------
ADDRESS
--------------------------------------------------
PHONE_NUM
--------------------------------------------------
         3 password3
Seller 3
Address 3
2345678901


 SELLER_ID S_PASS
---------- ------------------------------
NAME
--------------------------------------------------
ADDRESS
--------------------------------------------------
PHONE_NUM
--------------------------------------------------
         4 password4
Seller 4
Address 4
8901234567


 SELLER_ID S_PASS
---------- ------------------------------
NAME
--------------------------------------------------
ADDRESS
--------------------------------------------------
PHONE_NUM
--------------------------------------------------
         5 password5
Seller 5
Address 5
4567890123
```

Product TABLE:

```
SQL> SELECT * FROM product;

PRODUCT_ID PRODUCT_NAME                    PRODUCT_MODEL
---------- ------------------------------ ------------------------------
PRODUCT_COST PRODUCT_QUANTITY                PRODUCT_SIZE
------------ ------------------------------ ------------------------------
PRODUCT_COLOR                   COMMISSION  SELLER_ID
------------------------------ ---------- ----------
         1 Shirt                           Model 1
          30 10                              M
Blue                                     5          1

         2 Jeans                           Model 2
          50 5                               L
Black                                    8          2

PRODUCT_ID PRODUCT_NAME                    PRODUCT_MODEL
---------- ------------------------------ ------------------------------
PRODUCT_COST PRODUCT_QUANTITY                PRODUCT_SIZE
------------ ------------------------------ ------------------------------
PRODUCT_COLOR                   COMMISSION  SELLER_ID
------------------------------ ---------- ----------

         3 Shoes                           Model 3
          80 3                               9
Brown                                   10          3

         4 Dress                           Model 4
          40 8                               S

PRODUCT_ID PRODUCT_NAME                    PRODUCT_MODEL
---------- ------------------------------ ------------------------------
PRODUCT_COST PRODUCT_QUANTITY                PRODUCT_SIZE
------------ ------------------------------ ------------------------------
PRODUCT_COLOR                   COMMISSION  SELLER_ID
------------------------------ ---------- ----------
Red                                      6          4

         5 Watch                           Model 5
         100 2                               One Size
Silver                                  12          5
```

Cart TABLE:

```
SQL> SELECT * FROM Cart;

   CART_ID CUSTOMER_ID
---------- -----------
         1           1
         2           2
         3           3
         4           4
         5           5
```

Cart items TABLE:

```
SQL> SELECT * FROM Cart_items;

   CART_ID PRODUCT_ID PRODUCT_NAME                    QUANTITY       COST
---------- ---------- ------------------------------ ---------- ----------
ORDER_DAT DELIVER_D
--------- ---------
         1          1 Shirt                                   2         30
01-JAN-22 05-JAN-22

         2          2 Jeans                                   1         50
02-JAN-22 06-JAN-22

         3          3 Shoes                                   1         80
03-JAN-22 07-JAN-22


   CART_ID PRODUCT_ID PRODUCT_NAME                    QUANTITY       COST
---------- ---------- ------------------------------ ---------- ----------
ORDER_DAT DELIVER_D
--------- ---------
         4          4 Dress                                   2         40
04-JAN-22 08-JAN-22

         5          5 Watch                                   1        100
05-JAN-22 09-JAN-22
```

6) UPDATE COMMAND:

Customer TABLE:

```
SQL> UPDATE Customer SET Age = '31' WHERE Customer_id = 1;

1 row updated.

SQL> UPDATE Customer SET Email_id = 'newemail@example.com' WHERE Customer_id = 2;

1 row updated.

SQL> UPDATE Customer SET address_city = 'New City', address_state = 'New State' WHERE Customer_id = 3;

1 row updated.

SQL> UPDATE Customer SET Last_name = 'Johnson' WHERE Customer_id = 4;

1 row updated.

SQL> UPDATE Customer SET Phone_Number = '9876543210', address_street = '123 New Street' WHERE Customer_id = 5;

1 row updated.
```

Payments TABLE:

```
SQL> UPDATE payments SET Amount = 150 WHERE Payment_id = 1;

1 row updated.

SQL> UPDATE payments SET Payment_name = 'Cash' WHERE Payment_id = 2;

1 row updated.

SQL> UPDATE payments SET Payment_cardnumber = '1234567890123456', Payment_cardcvv = 999 WHERE Payment_id = 3;

1 row updated.

SQL> UPDATE payments SET Payment_date = TO_DATE('2022-01-05', 'YYYY-MM-DD') WHERE Payment_id = 4;

1 row updated.

SQL> UPDATE payments SET Customer_id = 6 WHERE Payment_id = 5;
```

Seller TABLE:

```
SQL> UPDATE Seller SET s_pass = 'newpassword1' WHERE Seller_id = 1;

1 row updated.

SQL> UPDATE Seller SET Address = 'New Address 2' WHERE Seller_id = 2;

1 row updated.

SQL> UPDATE Seller SET Phone_num = '9876543210' WHERE Seller_id = 3;

1 row updated.

SQL> UPDATE Seller SET Name = 'New Seller 4', Address = 'New Address 4' WHERE Seller_id = 4;

1 row updated.

SQL> UPDATE Seller SET s_pass = 'newpassword5', Phone_num = '1234567890' WHERE Seller_id = 5;

1 row updated.
```

Product TABLE:

```
SQL> UPDATE product SET Product_Cost = 35 WHERE Product_id = 1;

1 row updated.

SQL> UPDATE product SET Product_Quantity = '10' WHERE Product_id = 2;

1 row updated.

SQL> UPDATE product SET Product_Size = '10', Product_Color = 'Black' WHERE Product_id = 3;

1 row updated.

SQL> UPDATE product SET Commission = 7 WHERE Product_id = 4;

1 row updated.

SQL> UPDATE product SET Seller_id = 6 WHERE Product_id = 5;
```

Cart TABLE:

Since the "Cart" table only has two columns, there is no need for update commands. The table is used to store the relationship between a customer and their cart, so the values in the "Cart_id" and "Customer_id" columns are typically inserted when a customer creates a new cart or adds items to their existing cart. The "Cart" table is usually updated through INSERT statements rather than update commands.

Cart items TABLE:

```
SQL> UPDATE Cart_items SET Quantity = 3 WHERE Cart_id = 1 AND Product_id = 1;

1 row updated.

SQL> UPDATE Cart_items SET Cost = 55 WHERE Cart_id = 2 AND Product_id = 2;

1 row updated.

SQL> UPDATE Cart_items SET Order_date = TO_DATE('2022-01-04', 'YYYY-MM-DD') WHERE Cart_id = 3 AND Product_id = 3;

1 row updated.

SQL> UPDATE Cart_items SET Deliver_date = TO_DATE('2022-01-10', 'YYYY-MM-DD') WHERE Cart_id = 4 AND Product_id = 4;

1 row updated.

SQL> UPDATE Cart_items SET Product_name = 'New Watch', Cost = 120 WHERE Cart_id = 5 AND Product_id = 5;

1 row updated.
```

7) A FEW DDL AND DML COMMANDS:

1) DROP:

```
drop table product;
```

2) RENAME:

```
alter table seller rename to salesman;
```

3) Show details

```
select * from payments where payment_date = '2023-07-01';
```