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CHN18CS005
S5C -03
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APPLICATION SOFTWARE LAB
EXP.6

QUESTION

:Creation of Views and Assertions
a.Create a table store. Fields are order no, code, item, quantity, price, discount, mrp
b.Inset values into the table
c.Display the table
d. Create a view with item_name and quantity for the above table
e.Write a query to check whether any changes made to the present table is reflected in view.
f. Write a query to delete a view


```
 #
 1

    CREATE TABLE STORE (

          `order_no` INTEGER PRIMARY KEY AUTO_INCREMENT,

       `code` VARCHAR(20) NOT NULL,

       `item` VARCHAR(30) NOT NULL,

       `quantity` VARCHAR(30) NOT NULL,

       `price` DECIMAL(10,2) NOT NULL,

       `discount` DECIMAL(2,2) DEFAULT 0,

       `mrp` DECIMAL(10,2) NOT NULL

    );
```

```
#2

INSERT INTO STORE (`code`, `item`, `quantity`, `price`, `discount`, `mrp`)

VALUES ('1031', "MAGGI", "1pkt", 23, 0, 23),('1001', "RICE", "1Kg", 51, 1,
50),('1007', "SALT", "1Kg", 10, 0, 10),('1014', "COCONUT OIL", "1ltr", 260, 5,
255),

('1019', "DIARY MILK", "1pkt", 60, 0, 60);

#3

SELECT * FROM STORE;

#4

CREATE VIEW CART AS

SELECT `item`, `quantity` FROM STORE;

#5

INSERT INTO STORE (`code`, `item`, `quantity`, `price`, `discount`, `mrp`)

VALUES ('1024', "MILK", "1ltr", 48, 0, 48);

SELECT * FROM CART;

#6

DROP VIEW CART;
```

OUTPUT

```
mysql> CREATE TABLE STORE (
    ->
    ->
    -> `order_no` INTEGER PRIMARY KEY AUTO_INCREMENT,
    ->
    ->
    ->   `code` VARCHAR(20) NOT NULL,
    ->
    ->
    ->   `item` VARCHAR(30) NOT NULL,
    ->
    ->
    ->   `quantity` VARCHAR(30) NOT NULL,
    ->
    ->
    ->   `price` DECIMAL(10,2) NOT NULL,
    ->
    ->
    ->   `discount` DECIMAL(2,2) DEFAULT 0,
    ->
    ->
    ->   `mrp` DECIMAL(10,2) NOT NULL
    ->
    ->
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql>
mysql>
mysql> INSERT INTO STORE (`code`, `item`, `quantity`, `price`, `discount`, `mrp`)
    ->
    ->
    -> VALUES ('1031', "MAGGI", "1pkt", 23, 0, 23),('1001', "RICE", "1Kg", 51, 1, 50),('1007', "SALT", "1Kg", 10, 0, 10),('1014', "COCONUT OIL", "1ltr", 260, 5, 255),
    ->
    ->
    -> ('1019', "DIARY MILK", "1pkt", 60, 0, 60);
ERROR 1264 (22003): Out of range value for column 'discount' at row 2
mysql>
mysql>
mysql> SELECT * FROM STORE;
mysql> SELECT * FROM STORE;
```

```
mysql> SELECT * FROM STORE;
Empty set (0.00 sec)

mysql>
mysql> CREATE VIEW CART AS
    ->
    -> SELECT `item`, `quantity` FROM STORE;
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql>
mysql>
mysql> INSERT INTO STORE (`code`, `item`, `quantity`, `price`, `discount`, `mrp`)
    ->
    -> VALUES ('1024', "MILK", "1ltr", 48, 0, 48);
Query OK, 1 row affected (0.01 sec)

mysql>
mysql>
mysql> SELECT * FROM CART;
+------+----------+
| item | quantity |
+------+----------+
| MILK | 1ltr     |
+------+----------+
1 row in set (0.00 sec)

mysql>
mysql>
mysql>
mysql> DROP VIEW CART;
Query OK, 0 rows affected (0.01 sec)

mysql> DROP VIEW CART;



mysql> SELECT * FROM S ORE;
```