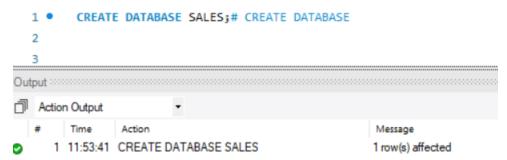
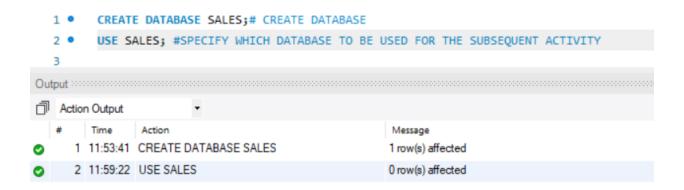
CREATE DATABASE SALES; # CREATING NEW DATABASE



USE SALES; #SPECIFY WHICH DATABASE TO BE USED FOR THE SUBSEQUENT ACTIVITY

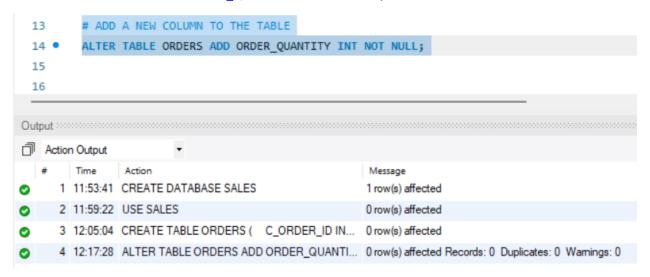


CREATING THE TABLE WITH THE CONSTRAINTS CREATE TABLE ORDERS (C_ORDER_ID INT AUTO_INCREMENT, C_SALES_ID INT UNIQUE, C_CUSTOMER_NAME VARCHAR(50) NOT NULL, C_PRODUCT_CATEGORY VARCHAR(50) NOT NULL, C_ORDER_ITEM VARCHAR(100), C_CONCAT_NO VARCHAR(10) NOT NULL, PRIMARY KEY (C_ORDER_ID));

```
3
         # CREATING THE TABLE WITH THE CONSTRAINTS
  4 • 0
            CREATE TABLE ORDERS (
             C_ORDER_ID INT auto_increment,
  5
  6
             C_SALES_ID INT unique,
             C CUSTOMER NAME VARCHAR(50) NOT NULL ,
  7
             c PRODUCT CATEGORY VARCHAR(50) NOT NULL,
  8
  9
             C ORDER ITEM VARCHAR(100) ,
             C CONCAT NO varchar(10) NOT NULL,
 10
             primary key (C ORDER ID)
 11
          );
 12
 13
 14
Action Output
        Time
                                                       Message
      1 11:53:41 CREATE DATABASE SALES
                                                       1 row(s) affected
     2 11:59:22 USE SALES
                                                       0 row(s) affected
     3 12:05:04 CREATE TABLE ORDERS ( C_ORDER_ID IN... 0 row(s) affected
```

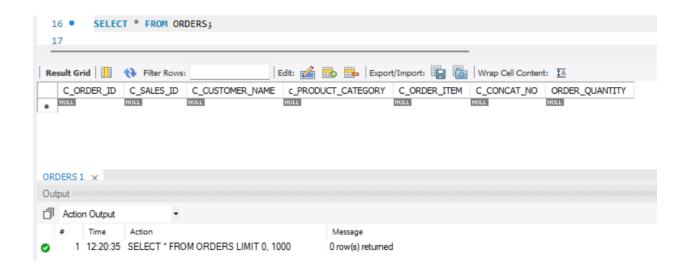
ADD A NEW COLUMN TO THE TABLE

ALTER TABLE ORDERS ADD ORDER_QUANTITY INT NOT NULL;



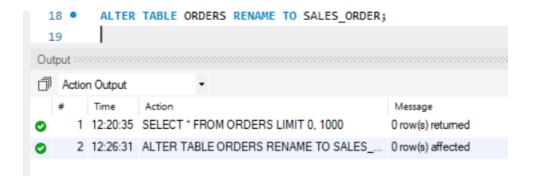
VIEW THE DETAILS OF THE TABLE

SELECT * FROM ORDERS;



CHANGE THE TABLE NEME

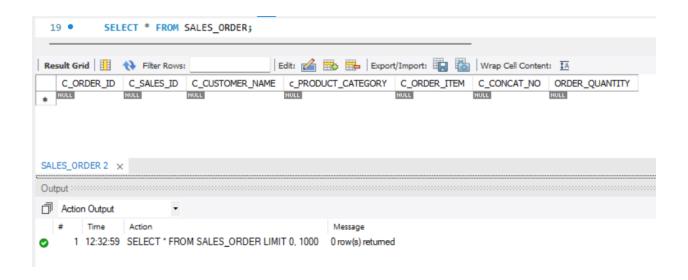
ALTER TABLE ORDERS RENAME TO SALES_ORDER;



THE TABLE NAME HAS CHANGED HENCE THE SELECT COMMAND DOES NOT RETURNED ANY TABLE



CONFIRMS THAT THE TABLE NAME HAS CHANGED TO SALES_ORDER SELECT * FROM SALES_ORDER;



TO ENSURE THAT THE C_ORDER_ID AUTO INCREMENT NUMBER SHOULD INCREMENT FROM THIS NUMBER

ALTER TABLE SALES_ORDER AUTO_INCREMENT=10000;



#INSERT DATA INTO THE TABLE

INSERT INTO SALES ORDER

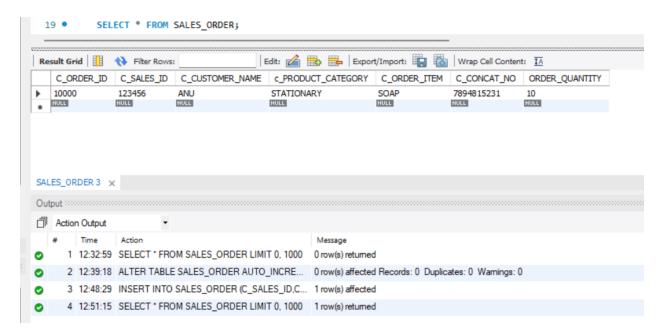
(C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_ORDER_ITEM,C_CONCAT_NO, ORDER_QUANTITY)

VALUES

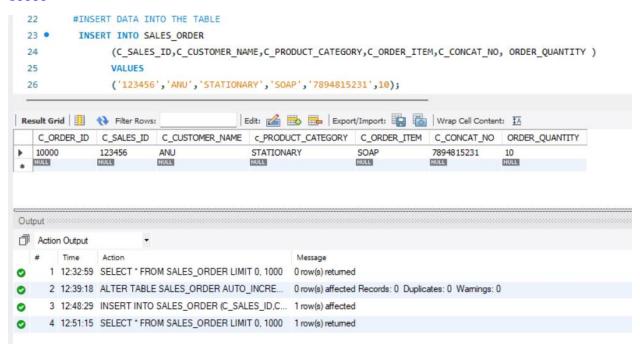
('123456','ANU','STATIONARY','SOAP','7894815231',10);



INSERTED DATA HAS SUCCESSFULLY UPDATED IN THE TABLE



FROM THE TABLE IT IS CLEAR THAT EVEN THOUGH WE HAVE NOT PASSED C_ORDER_ID TO THE TABLE THE VALUE HAS UPDATED IN THE TABLE AS INSTRUCTED BY US TO START WITH THE NUMBER 10000



INSERT INTO SALES ORDER

 $(C_SALES_ID, C_CUSTOMER_NAME, C_PRODUCT_CATEGORY, C_ORDER_ITEM, C_CONCAT_NO, ORDER_QUANTITY)\\$

VALUES

('123456','ANU','STATIONARY','SOAP','7894815231',10);

IT DOES NOT ALLOW TO ENTER THE DUPLIACE C_SALES_ID TO THE TABLE SINCE IT WAS ALREADY INSERTED INTO THE TABLE. UNIQUE CONSTRAINTS FOR THE COLUMN C_SALES_ID HAS SUCCESSFULLY VERIFIED



```
INSERT INTO SALES_ORDER

(C_SALES_ID,C_PRODUCT_CATEGORY,C_ORDER_ITEM,C_CONCAT_NO,
ORDER_QUANTITY)

VALUES

('123457','STATIONARY','SOAP','7894815232',12);
```

C_CUSTOMER_NAME HAS NOT INSERTED TO THE TABLE IN THE ABOVE UPDATE COMMAND. SYSTEM DOESN'T ALLOW TO UPDATE THE DATA INTO THE TABLE SINCE THE C_CUSTOMER_NAME CANNOT BE NULL.

C_CUSTOMER_NAME NOT NULL CONSTRAINT IS SUCCESSFULLY VERIFIED WITH THE ABOVE INSERT COMMAND



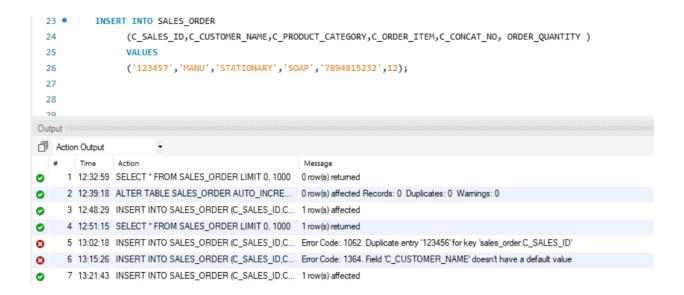
THE VALUE HAS INSERTED SUCCESSFULLY TO THE TABLE AFTER C_CUSTOMER_NAME FIELD HAS ADDED IN THE QUERY

INSERT INTO SALES_ORDER

(C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_ORDER_ITEM,C_CONCAT_NO, ORDER_QUANTITY)

VALUES

('123457','MANU','STATIONARY','SOAP','7894815232',12);



```
INSERT INTO SALES_ORDER

(C_SALES_ID, C_CUSTOMER_NAME ,C_ORDER_ITEM,C_CONCAT_NO,
ORDER_QUANTITY)

VALUES

('128459','CINU','SOAP','8856451232',13);
```

<code>C_PRODUCT_CATEGORY</code> HAS NOT INSERTED TO THE TABLE IN THE ABOVE COMMAND . SYSTEM DOESN'T ALLOW TO UPDATE THE DATA INTO THE TABLE SINCE THE <code>C_PRODUCT_CATEGORY</code> HAS THE CONSTRAINT NOT NULL

C_PRODUCT_CATEGORY NOT NULL CONSTRAINT IS SUCCESSFULLY YERIFIED WITH THE ABOVE INSERT COMMAND

```
INSERT INTO SALES_ORDER

(C_SALES_ID,C_CUSTOMER_NAME,C_ORDER_ITEM,C_CONCAT_NO,ORDER_QUANTITY)

VALUES

('123459','CINU','SOAP','8856451232',13);

Output

# Time Action

Message

1 14:06:05 INSERT INTO SALES_ORDER (C_SALES_ID,C... Error Code: 1364. Field 'c_PRODUCT_CATEGORY' doesn't have a default value
```

INSERT INTO SALES_ORDER

(C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_ORDER_ITEM,C_CONCAT _NO,ORDER_QUANTITY)

VALUES

('123459','CINU','STATIONARY','SOAP','8856451233',13);

C_PRODUCT_CATEGORY HAS INSERTED SUCCESSFULLY AFTER UPDATING THE FIELD WITH THE VALUES

23 • INSERT INTO SALES_ORDER					
	24	(C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_ORDER_ITEM,C_CONCAT_NO,ORDER_QUANTITY)			
	25	VALUES			
26 ('123459','CINU','stationary','SOAP','8856451233',13);					AP','8856451233',13);
27					
Output					
Ć	n Acti	on Output	•		
	#	Time	Action		Message
8		1 14:06:05	INSERT INTO SAL	LES_ORDER (C_SALES_ID,C	Error Code: 1364. Field 'c_PRODUCT_CATEGORY' doesn't have a default value
8) :	2 14:07:43	INSERT INTO SAL	LES_ORDER (C_SALES_ID,C	Error Code: 1364. Field 'c_PRODUCT_CATEGORY' doesn't have a default value
0	;	3 14:18:38	INSERT INTO SAL	LES_ORDER (C_SALES_ID,C	1 row(s) affected

INSERT INTO SALES_ORDER

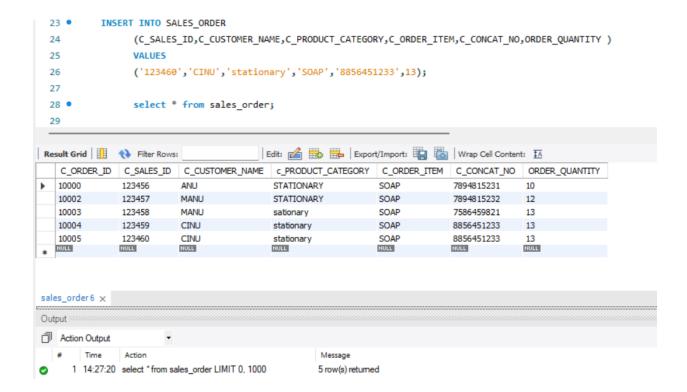
(C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_ORDER_I TEM,C_CONCAT_NO,ORDER_QUANTITY)

VALUES

('123460','CINU','STATIONARY','SOAP','8856451283',13);

ONLY THE C-SALES_ID HAS THE CONSTRAINT UNIQUE HENCE THE ABOVE INSERTED HAS SUCCESSFULLY UPDATED THE DATA IN THE TABLE EVEN THOUGH THE REST OF THE FILED VALUE HAS NOT CHANGED.

UNIQUE VALUE AND THE NOT NULL CONSTRAINT HAS VERIFIED WITH THE ABOVE INSERT COMMAND



INSERT INTO SALES_ORDER

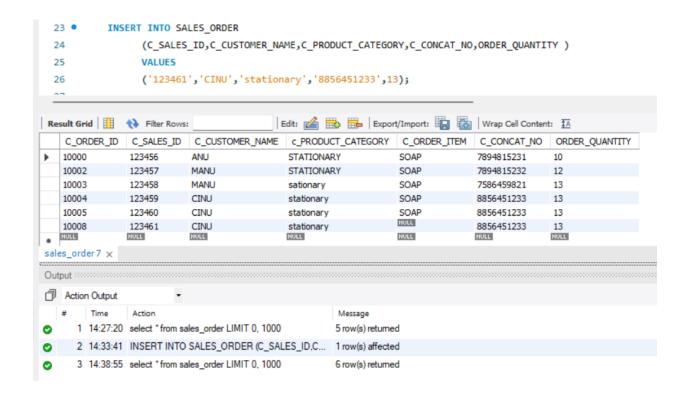
(C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_CONCAT

_NO,ORDER_QUANTITY)

VALUES

('123461','CINU','STATIONARY','8856451233',13);

IN THE FILED C_ORDER_ITEM THERE WAS NO CONSTRAINT HENCE THE INSERT COMMAND UPDATED THE TABLE. A FILED WITHOUT ANY SPECIFIC CONSTRAINT ALSO VERIFIED WITH THE ABOVE INSERT COMMAND. THE FILED C_ORDER_ITEM HAS UPDATED WITH NULL VALUE



#INSERT DATA INTO THE TABLE

INSERT INTO SALES ORDER

(C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_ORDER_I TEM,C_CONCAT_NO,ORDER_QUANTITY)

VALUES

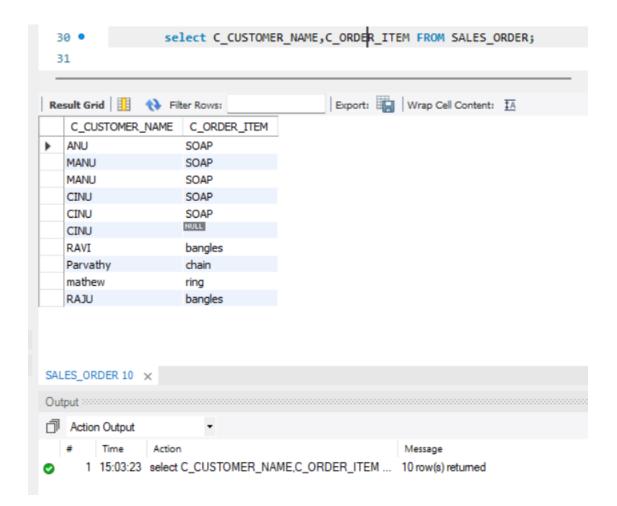
('123465', 'RAJU', 'ORNAMENTS', 'BANGLES', '8856451237', 15);

SELECT * FROM SALES_ORDER;

ALL THE CONSTRAINS HAS YERIFIED AND THE 10 RECORDS HAS UPDATED SUCCESSFULLY TO THE TABLE

```
#INSERT DATA INTO THE TABLE
 22
 23 •
          INSERT INTO SALES_ORDER
                (C_SALES_ID,C_CUSTOMER_NAME,C_PRODUCT_CATEGORY,C_ORDER_ITEM,C_CONCAT_NO,ORDER_QUANTITY )
 24
 25
                ('123465', 'RAJU', 'ORNAMENTS', 'bangles', '8856451237',15);
 26
 27
 28 •
               select * from sales_order;
| Edit: 🕍 📆 Export/Import: 📳 👸 | Wrap Cell Content: 🔣
   C_ORDER_ID C_SALES_ID C_CUSTOMER_NAME c_PRODUCT_CATEGORY C_ORDER_ITEM C_CONCAT_NO ORDER_QUANTITY
10000
                         ANU
                                          STATIONARY
                                                                           7894815231
                         MANU
   10002
              123457
                                          STATIONARY
                                                             SOAP
                                                                          7894815232
                                                                                       12
   10003
               123458
                         MANU
                                          sationary
                                                             SOAP
                                                                           7586459821
                     CINU
                                                                          8856451233 13
                                                             SOAP
   10004
              123459
                                          stationary
              123460
                                                                           8856451233
   10005
                         CINU
                                          stationary
                                                             SOAP
                                                                                        13
   10008
              123461
                     CINU
                                                                          8856451233 13
                                          stationary
   10009
              123462
                         RAVI
                                                                           8856451234
                                          ORNAMENTS
                                                             bangles
                                                                                        14
                                                                          8856451235
   10010
              123463
                         Parvathy
                                          ORNAMENTS
                                                             chain
                                                                                       10
   10011
              123464
                         mathew
                                          ORNAMENTS
                                                             ring
                                                                           8856451236
                                                                                        1
              123465
                         RAJU
                                          ORNAMENTS
                                                             bangles
                                                                           8856451237
  NULL
              HULL
                                                                                       NULL
```

SELECT C_CUSTOMER_NAME,C_ORDER_ITEM FROM SALES_ORDER;



UPDATE SALES_ORDER

SET

C_ORDER_ITEM ='BOTTLE'

WHERE

C_ORDER_ID=10008;

THE VALUE IN THE TABLE HAS UPDATED SUCCESSFULLY, EARLIER THE FILED HAS NULL VALUE IT IS UPDATED TO BOTTLE

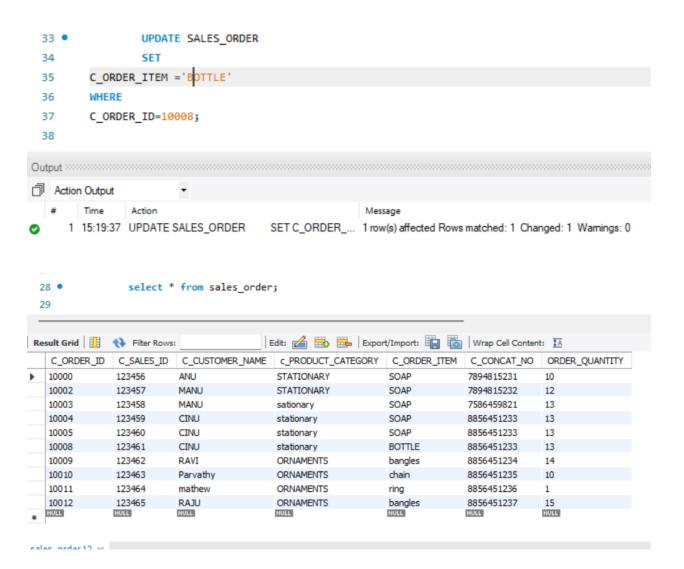
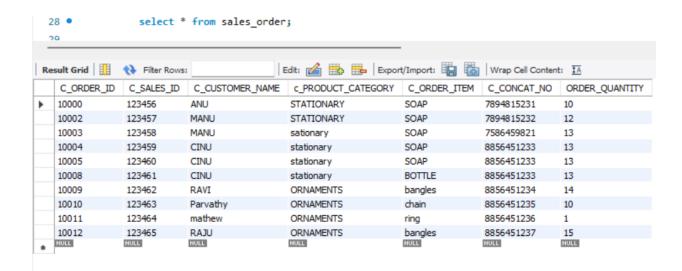
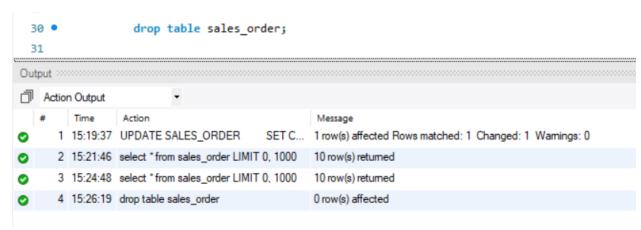


TABLE DETAILS BEFORE DELETING

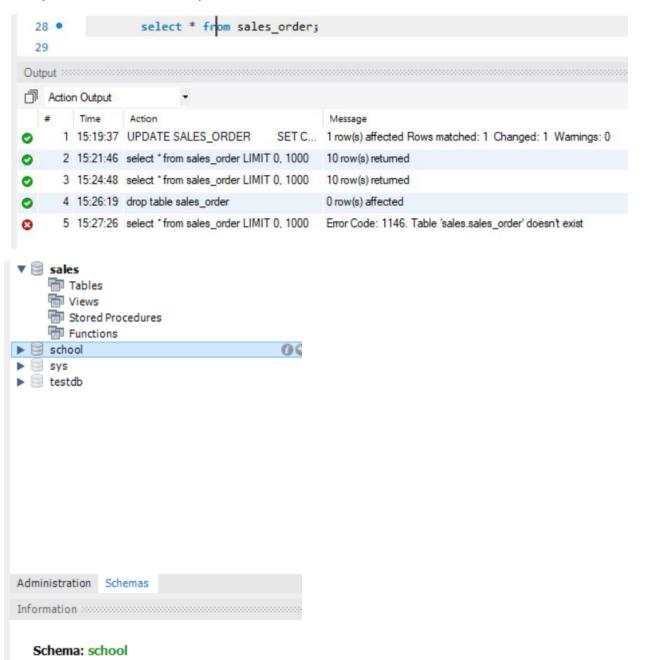




DROP TABLE SALES_ORDER;



AFTER DELETING THE TABLE FROM THE DATABSE



AFTER DELETING THE DATABASE

