

7 MARCH 2021

**DATABASE MANAGEMENT SYSTEM LAB : CEN 491 : SQL 2**

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**LAB ASSIGNMENT 2**

**EXERCISE 5 : Exercise on deleting the records in the table;**

- a) Delete all the salesman FROM THE Salesman\_Master whose salaries are equal to 3500;
- b) Delete all products from Product.\_master where QtyOnHand is equal to 100;
- c) Delete form Client where the column state = 'Tamil Nadu'

**EXERCISE 6 : Exercise on altering table structure.**

- d) Add a column called 'Telephone' of data type 'number' and size '10' to the Client\_Master Table.
- e) Change the size of sellPrice column Product\_master to 10, 2.

**EXERCISE 7 : Exercise on deleting the table structure.**

- f) Destroy table Client\_Master along with its data.

**EXERCISE 8 : Exercise on renaming the table**

- g) Change the name of Salesman\_Master to sman\_mast

**1. SQL COMMANDS**

```
#Display Salesman_Master before modifying it
SELECT * FROM Salesman_Master;
#5a
DELETE FROM Salesman_Master WHERE Salary = 3500;
#Display Salesman_Master after Modifying it
DESCRIBE Salesman_Master;

#Display Product_Master before modifying it
SELECT * FROM Product_Master;
#5b
DELETE FROM Product_Master WHERE QtyOnHand = 100;
#Display Product_Master after Modifying it
DESCRIBE Product_Master;

#Display Client_Master before modifying it
SELECT * FROM Client_Master;
#5c
DELETE FROM Client_Master WHERE state='Tamil Nadu';
#Display Client_Master after modifying it
SELECT * FROM Client_Master;

#Display columns of Client_Master before altering it
DESCRIBE Client_Master;
#6a
ALTER TABLE Client_Master ADD Telephone INT[10];
#Display columns of Client_Master after altering it
DESCRIBE Client_Master;

#Display columns of Product_Master before altering it
DESCRIBE Product_Master;
#6b
ALTER TABLE Product_Master MODIFY SellPrice DECIMAL(10,2);
#Display columns of Product_Master before altering it
DESCRIBE Product_Master;

#Display tables in DB before deleting the table
SHOW TABLES;
#7
DROP TABLE Client_Master;
```

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```
#Display tables in DB after deleting the table
SHOW TABLES;

#Display tables in DB before renaming the table
SHOW TABLES;
#8
ALTER TABLE Salesman_Master RENAME TO sman_mast
#Display tables in DB after renaming the table
SHOW TABLES;
```

## 2. IMPLEMENTATION ON TERMINAL

Last login: Sun Mar 7 07:05:03 on console

```
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
YASHs-MacBook-Air:~ yashvinayvanshi$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.23 MySQL Community Server - GPL
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> SHOW DATABASES;
```

Database
DBlab
DBlabFINAL
information_schema
mysql
performance_schema
sys

6 rows in set (0.03 sec)

```
mysql> USE DBlabFinal;
```

Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A

Database changed

```
mysql> SHOW TABLES;
```

Tables_in_dblabfinal
Client_Master
Product_Master
Salesman_Master

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM Salesman_Master;
```

SalemanNo	SalesmanName	Address1	Address2	City	Pincode	State	SalAmt	TgttoGet	YtdSales	Remarks
S00001	Aman	A/14	Worli	Pune	400002	Maharashtra	3000	100	50	Good
S00002	Omkar	65	Nariman	Pune	400001	Maharashtra	3000	200	100	Good
S00003	Raj	P-7	Bandra	Pune	400032	Maharashtra	3000	200	100	Good
S00004	Ashish	A-5	Juhu	Pune	400044	Maharashtra	3500	200	100	Good

4 rows in set (0.00 sec)

```
mysql> DELETE FROM Salesman_Master WHERE SalAmt = 3500;
```

Query OK, 1 row affected (0.01 sec)

```
mysql> SELECT * FROM Salesman_Master;
```

SalemanNo	SalesmanName	Address1	Address2	City	Pincode	State	SalAmt	TgttoGet	YtdSales	Remarks
S00001	Aman	A/14	Worli	Pune	400002	Maharashtra	3000	100	50	Good
S00002	Omkar	65	Nariman	Pune	400001	Maharashtra	3000	200	100	Good
S00003	Raj	P-7	Bandra	Pune	400032	Maharashtra	3000	200	100	Good

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM Product_Master;
```

ProductNo	Description	ProfitPercent	UnitMeasure	QtyOnHand	RecorderLvi	SellPrice	CostPrice
p00001	T-Shirts	5.00	Piece	200	50	350	250
p0345	Shirts	6.00	Piece	150	50	500	350
p06734	Cotton Jeans	5.00	Piece	100	20	600	450
p07865	Jeans	5.00	Piece	100	20	750	500
p07868	Trousers	2.00	Piece	150	50	850	950
p07885	Pull Overs	2.00	Piece	150	50	850	550
p07868	Denim Shirts	4.00	Piece	100	40	350	250
p07868	Lycra Tops	5.00	Piece	70	30	300	175
p07868	Skirts	5.00	Piece	75	30	450	300

```
9 rows in set (0.01 sec)
```

```
mysql> DELETE FROM Product_Master WHERE QtyOnHand = 100;
Query OK, 3 rows affected (0.01 sec)
```

```
mysql> SELECT * FROM Product_Master;
```

ProductNo	Description	ProfitPercent	UnitMeasure	QtyOnHand	RecorderLvi	SellPrice	CostPrice
p00001	T-Shirts	5.00	Piece	200	50	350	250
p0345	Shirts	6.00	Piece	150	50	500	350
p07868	Trousers	2.00	Piece	150	50	850	950
p07885	Pull Overs	2.00	Piece	150	50	850	550
p07868	Lycra Tops	5.00	Piece	70	30	300	175
p07868	Skirts	5.00	Piece	75	30	450	300

```
6 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM Client_Master;
```

ClientNo	ClientName	Address1	Address2	City	Pincode	State	BalDue
C00001	Ivan Bayross	Address1	Address2	Mumbai	400001	Maharashtra	1000
C00002	Mamta Mazumdar	Address1	Address2	Mumbai	780001	Tamil Nadu	0
C00003	Chhaya Bankar	Address1	Address2	Mumbai	400057	Maharashtra	5000
C00004	Ashwini Joshi	Address1	Address2	Mumbai	560001	Karnataka	0
C00005	Hansei Colaco	Address1	Address2	Bangalore	400060	Maharashtra	2000
C00006	Deepak Sharma	Address1	Address2	Mumbai	560050	Karnataka	0

```
6 rows in set (0.00 sec)
```

```
mysql> DELETE FROM Client_Master WHERE State='Tamil Nadu';
Query OK, 1 row affected (0.00 sec)
```

```
mysql> SELECT * FROM Client_Master;
```

ClientNo	ClientName	Address1	Address2	City	Pincode	State	BalDue
C00001	Ivan Bayross	Address1	Address2	Mumbai	400001	Maharashtra	1000
C00003	Chhaya Bankar	Address1	Address2	Mumbai	400057	Maharashtra	5000
C00004	Ashwini Joshi	Address1	Address2	Mumbai	560001	Karnataka	0
C00005	Hansei Colaco	Address1	Address2	Bangalore	400060	Maharashtra	2000
C00006	Deepak Sharma	Address1	Address2	Mumbai	560050	Karnataka	0

```
5 rows in set (0.00 sec)
```

```
mysql> DESCRIBE Client_Master;
```

Field	Type	Null	Key	Default	Extra
ClientNo	varchar(6)	YES		NULL	
ClientName	varchar(20)	YES		NULL	
Address1	varchar(30)	YES		NULL	
Address2	varchar(30)	YES		NULL	
City	varchar(15)	YES		NULL	
Pincode	int	YES		NULL	
State	varchar(15)	YES		NULL	
BalDue	int	YES		NULL	

```
8 rows in set (0.02 sec)
```

```
mysql> ALTER TABLE Client_Master ADD Telephone INT(10);
```

```
Query OK, 0 rows affected, 1 warning (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 1
```

```
mysql> DESCRIBE Product_Master;
```

Field	Type	Null	Key	Default	Extra
ProductNo	varchar(6)	YES		NULL	
Description	varchar(15)	YES		NULL	
ProfitPercent	varchar(4)	YES		NULL	
UnitMeasure	varchar(10)	YES		NULL	
QtyOnHand	int	YES		NULL	
RecorderLvi	int	YES		NULL	
SellPrice	int	YES		NULL	
CostPrice	int	YES		NULL	

```
8 rows in set (0.00 sec)
```

```
mysql> ALTER TABLE Product_Master MODIFY SellPrice DECIMAL(10, 2);
```

```
Query OK, 6 rows affected (0.05 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

```
mysql> DESCRIBE Product_Master;
```

Field	Type	Null	Key	Default	Extra
ProductNo	varchar(6)	YES		NULL	
Description	varchar(15)	YES		NULL	
ProfitPercent	varchar(4)	YES		NULL	
UnitMeasure	varchar(10)	YES		NULL	
QtyOnHand	int	YES		NULL	
RecorderLvi	int	YES		NULL	
SellPrice	decimal(10,2)	YES		NULL	
CostPrice	int	YES		NULL	

```
8 rows in set (0.00 sec)
```

```
mysql> SHOW TABLES;
```

Tables_in_dblabfinal
----------------------

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```
| Client_Master |
| Product_Master |
| Salesman_Master |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> DROP TABLE Client_Master;
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> SHOW TABLES;
+-----+
| Tables_in_dblabfinal |
+-----+
| Product_Master |
| Salesman_Master |
+-----+
2 rows in set (0.01 sec)
```

```
mysql> ALTER TABLE Salesman_Master RENAME TO sman_mast;
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> SHOW TABLES;
+-----+
| Tables_in_dblabfinal |
+-----+
| Product_Master |
| sman_mast |
+-----+
2 rows in set (0.00 sec)
```

```
mysql> Exit;
Bye
YASHs-MacBook-Air:~ yashvinayvanshi$
```

-----\_\_END\_\_-----