

```
DROP DATABASE DEMO
CREATE DATABASE DEMO
USE DEMO
```

```
-----SELECT INTO
CREATE TABLE EMPLOYEE(
Name VARCHAR(50),
City VARCHAR(50),
Age INT);
```

```
INSERT INTO EMPLOYEE VALUES
('Jay Patel','Rajkot',30),
('Rahul Dave','Baroda',35),
('Jeet Patel','Surat',31),
('Vijay Raval','Rajkot',30);
```

```
select * from EMPLOYEE
```

```
--Create table EMPLOYEE_DETAIL from Employee with all the columns and data.
SELECT * INTO EMPLOYEE_DETAIL
FROM EMPLOYEE
```

```
SELECT * FROM EMPLOYEE
SELECT * FROM EMPLOYEE_DETAIL
```

```
--Create table EMPLOYEE_DATA from Employee with first two columns with no data.
SELECT NAME,CITY INTO EMPLOYEE_DATA
FROM EMPLOYEE
WHERE 1=0
```

```
SELECT * FROM EMPLOYEE_DATA
```

```
--EMPLOYEE_DATA1 WITH NO DATA-----
SELECT * INTO EMPLOYEE_DATA1
FROM EMPLOYEE
WHERE 2+2=5
```

```
SELECT * FROM EMPLOYEE_DATA1
```

```
--EMPLOYEE_DATA2 WITH DATA-----
SELECT * INTO EMPLOYEE_DATA2
FROM EMPLOYEE
WHERE 2+2=4
```

```
SELECT * FROM EMPLOYEE_DATA2
```

```
-- EMPLOYEE_INFO INFO WITH NO DATA FROM EMPLOYEE
SELECT * INTO Employee_info
FROM EMPLOYEE
WHERE 'A'='B'
```

```
SELECT * INTO Employee_info1
FROM EMPLOYEE
WHERE 'ABC'='BCD'
```

```
select * from Employee_info
select * from Employee_info1
--
```

```
--Insert the Data into Employee_info from Employee Whose CITY is Rajkot
INSERT INTO Employee_info
SELECT * FROM EMPLOYEE
WHERE CITY='RAJKOT';
```

```
select * from Employee_info
```

```
--Insert the Data into Employee_info from Employee Whose age is more than 32.
INSERT INTO Employee_info
SELECT * FROM EMPLOYEE
WHERE Age>32;
```

```
---CREATE EMP AND INSERT DATA WHOSE AGE >30
SELECT * INTO EMP
FROM EMPLOYEE
WHERE AGE>30
```

```
SELECT * FROM EMP
```

```
-----UPDATE-----
SELECT * FROM EMPLOYEE
```

```
--CHANGE CITY OF JAY PATEL TO MORBI
```

```
UPDATE EMPLOYEE
SET CITY='MORBI'
WHERE NAME='JAY PATEL'
```

```
SELECT * FROM EMPLOYEE
```

```
---UPDATE AGE OF RAHUL DAVE TO 37
UPDATE EMPLOYEE
SET AGE=37
WHERE NAME='RAHUL DAVE'
```

```
--CHAGE NAME JEET PATEL TO JEET
UPDATE EMPLOYEE
SET NAME='JEET'
WHERE NAME='JEET PATEL'
```

```
--CHANGE NAME OF SURAT TO TEXTILE CITY
UPDATE EMPLOYEE
SET CITY='TEXTILE CITY'
WHERE CITY='SURAT'
```

```
SELECT * FROM EMPLOYEE
```

```
--CHANGE NAME OF VIJAY RAVAL TO VIJAY AND AGE TO 20
```

```
UPDATE EMPLOYEE
```

```
SET NAME='VIJAY',AGE=20
```

```
WHERE NAME ='VIJAY RAVAL'
```

```
select * from EMPLOYEE
```

```
--Change the name to Darshan where name is NULL
```

```
UPDATE EMPLOYEE
```

```
SET NAME='Darshan'
```

```
WHERE NAME IS NULL
```

```
--SET AGE TO NULL WHO BELONGS TO BARODA
```

```
UPDATE EMPLOYEE
```

```
SET AGE=NULL
```

```
WHERE CITY='BARODA'
```

```
SELECT * FROM EMPLOYEE
```

```
INSERT INTO EMPLOYEE VALUES
```

```
('Jay Patel','Rajkot',30),
```

```
('Rahul Dave','Baroda',35),
```

```
('Jeet Patel','Surat',31),
```

```
('Soham Raval','Valsad',30),
```

```
('Meet Shah','Baroda',35),
```

```
('Milan Patel','Vapi',31),
```

```
('Kiran Manek','Ahmedabad',30),
```

```
('Mitesh Patel','Kalol',NULL);
```

```
DROP TABLE EMPLOYEE
```

```
SELECT * FROM EMPLOYEE
```

```
---DELETE
```

```
--DELETE EMPLOYEE FROM RAJKOT
```

```
DELETE FROM EMPLOYEE
```

```
WHERE CITY='RAJKOT'
```

```
--DELETE where Age is NULL
```

```
DELETE FROM EMPLOYEE
```

```
WHERE AGE IS NULL
```

```
-- DELETE WITH IN AND OR OPERATOR
```

```
DELETE FROM EMPLOYEE
```

```
WHERE CITY IN ('VAPI','AHMEDABAD')
```

```
DELETE FROM EMPLOYEE
```

```
WHERE CITY='VAPI'OR CITY='AHMEDABAD'
```

```
select * from EMPLOYEE  
--REMOVE THE RECORD WHOSE AGE IS 30  
DELETE FROM EMPLOYEE  
WHERE AGE=30
```

```
--REMOVE ALL THE RECORD  
DELETE FROM EMPLOYEE
```

```
SELECT * FROM EMPLOYEE
```

```
--ALTER is used to add, modify, or drop columns in a table  
INSERT INTO EMPLOYEE VALUES  
( 'Jay Patel', 'Rajkot', 30),  
( 'Rahul Dave', 'Baroda', 35),  
( 'Jeet Patel', 'Surat', 31),  
( 'Soham Raval', 'Valsad', 30),  
( 'Meet Shah', 'Baroda', 35),  
( 'Milan Patel', 'Vapi', 31),  
( 'Kiran Manek', 'Ahmedabad', 30),  
( 'Mitesh Patel', 'Kalol', NULL);
```

```
SELECT * FROM EMPLOYEE  
--ADD COLUMNS
```

```
---ADD COLUMN SALARY
```

```
ALTER TABLE EMPLOYEE  
ADD SALARY DECIMAL(8,2);
```

```
SELECT * FROM EMPLOYEE
```

```
update employee  
set salary=123.45  
where age>=30
```

```
--ADD COLUMN DEPARTMENT AND DESIGNATION  
ALTER TABLE EMPLOYEE  
ADD DEPARTMENT VARCHAR(20),DESIGNATION VARCHAR(20)
```

```
--ADD COLUMN MOBILE AND ADDRESS  
ALTER TABLE EMPLOYEE  
ADD MOBILE VARCHAR(20), ADDRESS VARCHAR(50)
```

```
SELECT * FROM EMPLOYEE
```

```
--DROP COLUMN ADDRESS
```

```
ALTER TABLE EMPLOYEE
DROP COLUMN ADDRESS
```

```
--DROP COLUMN DEPARTMENT AND DESIGNATION
ALTER TABLE EMPLOYEE
DROP COLUMN DEPARTMENT,DESIGNATION
```

```
---MODIFY COLUMN
```

```
ALTER TABLE EMPLOYEE
ALTER COLUMN CITY CHAR(30)
```

```
ALTER TABLE EMPLOYEE
ALTER COLUMN NAME CHAR(20)
```

```
select * from EMPLOYEE
```

```
--ADD DECIMAL POINT
ALTER TABLE EMPLOYEE
ALTER COLUMN AGE DECIMAL(5,2)
```

```
SELECT * FROM EMPLOYEE
```

```
--LEAD TO DATA LOSS
ALTER TABLE EMPLOYEE
ALTER COLUMN SALARY INT
```

```
--ERROR
ALTER TABLE EMPLOYEE
ALTER COLUMN CITY INT
```

```
--int to varchar
ALTER TABLE EMPLOYEE
ALTER COLUMN SALARY VARCHAR(10)
```

```
ALTER TABLE EMPLOYEE
ADD MOBILE decimal(8,2)
```

```
SELECT * FROM EMPLOYEE
```

```
SP_HELP EMP_INFO
```

```
ALTER TABLE EMPLOYEE
ADD SALARY INT
---Rename COLUMN NAME---
--rename coumn salary to gross salary
```

```
sp_rename 'EMPLOYEE.SALARY','GROSS_SALARY'
```

```
SELECT * FROM EMPLOYEE
```

```
--RENAME COLUMN MOBILE TO CONTACTNO  
SP_RENAME 'EMPLOYEE.MOBILE', 'CONTACTNO'
```

```
--RENAME TABLE NAME  
SP_RENAME 'EMPLOYEE', 'EMPLOYEE_MASTER'
```

```
SELECT * FROM EMPLOYEE  
SELECT * FROM EMPLOYEE_MASTER
```

```
--CHANGE THE NAME EMPLOYEE_MASTER TO EMP_INFO  
SP_RENAME 'EMPLOYEE_MASTER', 'EMP_INFO'
```

```
SELECT * FROM EMP_INFO
```

```
--TRUCATE
```

```
TRUNCATE TABLE EMP_INFO
```

```
select * from emp_info  
--DROP
```

```
DROP TABLE EMP_INFO
```

```
DROP DATABASE DEMO
```

```
use master
```