**MYSQL PRACTICAL**

**How to create schema?**

Schema also called database.

**How to see available database?**

Show databases;

**How to create database?**

Create database hello1;

**How to use schema?**

use maulika;

**DDL : ( create, alter, drop, truncate, rename)**

**How to create table ?**

CREATE TABLE employee (

emp\_id int(10) ,

emp\_name varchar(20),

emp\_age int(10),

emp\_salary int(10)

);

**How to Describe table ?**

describe employee;

select \* from employee;

**How to alter table?**

Alter table employee ADD COLUMN emp\_contact int(10);

select \* from employee;

**How to rename column?**

Alter table employee Rename column emp\_contact to emp\_dep;

select \* from employee;

**How to truncate table?**

Truncate table employee;

select \* from employee;

**How to drop table ?**

Drop table employee;

select \* from employee;

**DML : (insert, update, delete)**

CREATE TABLE employee (

emp\_id int(10) not null ,

emp\_name varchar(20),

emp\_age int(10),

emp\_salary int(10)

);

select \* from employee;

describe employee;

**How to insert data in table?**

Insert INTO employee

(emp\_id,emp\_name,emp\_age,

emp\_salary)Values(101,"Sana",22,25000);

select \* from employee;

Insert INTO employee

(emp\_id, emp\_name, emp\_age, emp\_salary)Values(102,"Renu",24,27000);

select \* from employee;

Insert INTO employee

(emp\_id, emp\_name, emp\_age, emp\_salary)Values(103,"Anuj",21,21000);

select \* from employee;

Insert INTO employee

(emp\_id, emp\_name, emp\_age, emp\_salary)Values(104,"Debashish",27,29000);

select \* from employee;

Insert INTO employee

(emp\_id, emp\_name, emp\_age, emp\_salary)Values(105,"Himanshu",24,26000);

select \* from employee;

**How to update and delete data in table?**

**Edit – preferences – sql editor – last option – unckeck – ok**

**Click on Query – reconnect to server.**

UPDATE employee

SET emp\_name = "Sujit"

where emp\_name ="Sana";

select \* from employee;

UPDATE employee

SET emp\_name = "sanjiv"

Where emp\_id = 104;

select \* from employee;

UPDATE employee

SET emp\_age = 25

Where emp\_id = 101;

select \* from employee;

**How to Delete data in table?**

DELETE from employee

Where emp\_id = 104;

select \* from employee;

DELETE from employee

Where emp\_id IN (101,103);

select \* from employee;

DELETE from employee

Where emp\_name = "Renu";

select \* from employee;

**How to truncate table?**

Truncate table employee;

select \* from employee;

**How to drop table?**

Drop table employee;

select \* from employee;

**DCL : (grant, revoke)**

**Grant:**

Grant select on student to Rahul; (only for read or view)

Student = table name

Rahul = user name

Grant select,update on student to Rahul; (for view and update)

Grant select,update,delete on student to Rahul; (for view, update and delete)

**Revoke:**

Revoke select on student from Rahul;

Revoke select,update on student from Rahul;

Revoke select,update,delete on student from Rahul;

**TCL (commit, rollback, savepoint)**

**Commit and Rollback works for:**

Insert

Update

Delete

Here first click on **EDIT – PREFRENCES – SQL EXECUTION – NEW CONNECTIONS USE AUTO COMMIT MODE - uncheck – OK**

**After reconnect to server.**

**Create table:**

**How to create table ?**

Use maulika;

CREATE TABLE employee (

emp\_id int(10),

emp\_name varchar(20),

emp\_age int(10),

emp\_salary int(10)

);

**How to Describe table ?**

select \* from employee;

describe employee;

**insert data :**

Insert INTO employee Values(101,"Sana",22,25000),(102,"Renu",24,27000),(103,"Anuj",21,21000),(104,"Debashish",27,29000),(105,"Himanshu",24,26000);

select \* from employee;

Commit;

**Option 1: update**

UPDATE employee

SET emp\_name = "sanjiv"

Where emp\_id = 104;

select \* from employee;

Rollback;

select \* from employee;

**Option 2: Delete**

select \* from employee;

commit;

DELETE from employee

Where emp\_id = 104;

select \* from employee;

rollback;

select \* from employee;

**Option 3: insert**

select \* from employee;

commit;

Insert INTO employee Values(106,"Sujit",28,27000);

select \* from employee;

rollback;

select \* from employee;

drop table employee;

select \* from employee;

**Save point:**

**Create table:**

**How to create table ?**

**Option : 1**

Use maulika;

CREATE TABLE employee (

emp\_id int(10),

emp\_name varchar(20),

emp\_age int(10),

emp\_salary int(10)

);

select \* from employee;

describe employee;

Insert INTO employee Values(101,"Sana",22,25000),(102,"Renu",24,27000),(103,"Anuj",21,21000),(104,"Debashish",27,29000),(105,"Himanshu",24,26000);

select \* from employee;

Commit;

Insert INTO employee Values(106,"Sujit",28,27000);

select \* from employee;

savepoint my\_savepoint;

select \* from employee;

DELETE from employee

Where emp\_id = 104;

select \* from employee;

rollback to my\_savepoint;

select \* from employee;

**option : 2 :**

Use maulika;

CREATE TABLE employee (

emp\_id int(10),

emp\_name varchar(20),

emp\_age int(10),

emp\_salary int(10)

);

select \* from employee;

describe employee;

Insert INTO employee Values(101,"Sana",22,25000),(102,"Renu",24,27000),(103,"Anuj",21,21000),(104,"Debashish",27,29000),(105,"Himanshu",24,26000);

select \* from employee;

commit;

Insert INTO employee Values(107,"kisan",27,29000),(109,"kush",24,27000);

select \* from employee;

savepoint my\_savepoint;

UPDATE employee

SET emp\_name = "sanjeev"

Where emp\_id = 105;

select \* from employee;

UPDATE employee

SET emp\_name = "deepali"

Where emp\_id = 102;

select \* from employee;

rollback to my\_savepoint;

select \* from employee;

truncate table employee;

select \* from employee;

drop table employee;

select \* from employee;