

SQL COMMANDS

SQL - Structured Query Language

25/2/2022

mysql Database SQL Commands

2020-24 Batch

S3 CSE (A)
OOPS

Jyothi Engineering College
Computer Science & Engineering

JDBC – Java Database Connectivity [Module – 5]

//Install Mysql Database Server (Community Edition) and Set root password(as 'root' itself) and Windows System Path Environment

MySQL Installer for Windows Download Link :

<https://dev.mysql.com/get/Downloads/MySQLInstaller/mysql-installer-community-8.0.28.0.msi>

How to install MySQL 8.0.28 Server and Workbench latest version on Windows 10 : https://www.youtube.com/watch?v=eq-e_n7lm2M

//Open cmd (command prompt) and type the following

//To connect to mysql database

mysql -u root -p

// In the mysql>prompt, Type the following sql commands

//To list all available databases

show databases;

// To create a new database

create database jyothi;

//To list all available databases

show databases;



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//To use a specific database

use jyothi;

//To create a table

create table student(rollno int, name varchar(20), branch varchar(3),
cgpa float);

//To list all available tables

show tables;

//To list details of table

describe student;

//To insert a record in a table

insert into student values(1,'Amal','CSE',7.0);

insert into student values(2,'Dia','CSE',9.0);

insert into student values(3,'Joel','CSE',8.5);

//To list all record in a table

select * from student;

//To list a specific record in a table

select * from student where rollno=2;

//To list name and cgpa of a specific record in a table

select name,cgpa from student where rollno=1;

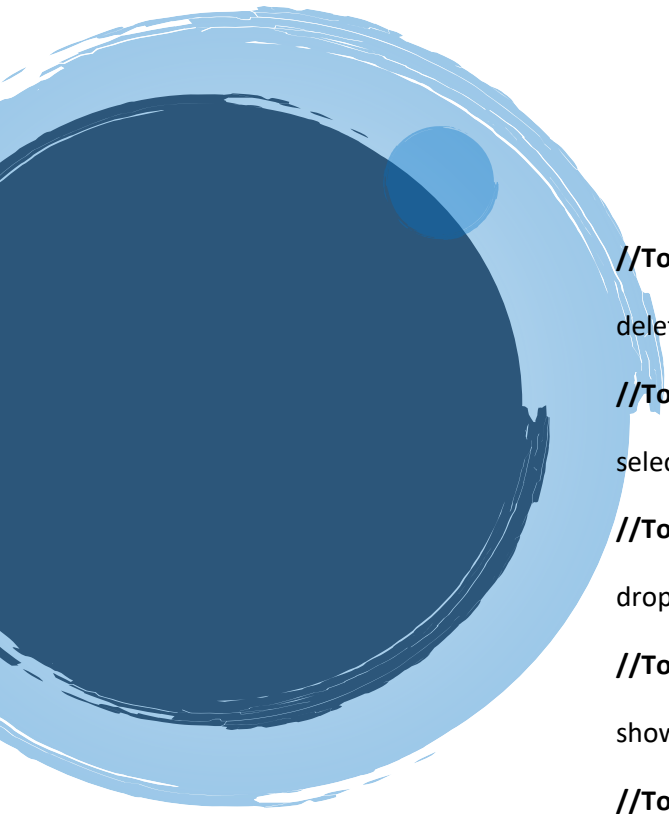
//To delete a specific record from the table

delete from student where rollno=3;

//To list all record in a table

select * from student;





//To delete all records in a table

delete from student;

//To list all record in a table

select * from student;

//To delete a table

drop table student;

//To list all available tables

show tables;

//To delete a database

drop database jyothi;

//To list all available databases

show databases;

//To quit mysql shell

quit

SCREENSHOTS





```
Command Prompt - mysql -u root -p

C:\Users\shaij>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.28 MySQL Community Server - GPL

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owners.


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

mysql> show databases;
+-----+
| Database |
+-----+
| ebookshop |
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
7 rows in set (0.00 sec)

mysql> create database jyothis;
Query OK, 1 row affected (0.01 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| ebookshop |
| information_schema |
| jyothis |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
8 rows in set (0.01 sec)
```





```
mysql> use jyothi;
Database changed
mysql> create table student(rollno int, name varchar(20), branch varchar(3), cgpa float);
Query OK, 0 rows affected (0.06 sec)

mysql> show tables;
+-----+
| Tables_in_jyothi |
+-----+
| student           |
+-----+
1 row in set (0.00 sec)

mysql> describe student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int           | YES  |     | NULL    |       |
| name   | varchar(20)   | YES  |     | NULL    |       |
| branch | varchar(3)    | YES  |     | NULL    |       |
| cgpa   | float         | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> insert into student values(1,'Amal','CSE',7.0);
Query OK, 1 row affected (0.01 sec)

mysql> insert into student values(2,'Dia','CSE',9.0);
Query OK, 1 row affected (0.01 sec)

mysql> insert into student values(3,'Joel','CSE',8.5);
Query OK, 1 row affected (0.01 sec)

mysql> select * from student;
+-----+-----+-----+-----+
| rollno | name | branch | cgpa |
+-----+-----+-----+-----+
| 1      | Amal | CSE    | 7    |
| 2      | Dia  | CSE    | 9    |
| 3      | Joel | CSE    | 8.5  |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select * from student where rollno=2;
+-----+-----+-----+-----+
| rollno | name | branch | cgpa |
+-----+-----+-----+-----+
| 2      | Dia  | CSE    | 9    |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> delete from student where rollno=3;
Query OK, 1 row affected (0.01 sec)

mysql> select * from student;
+-----+-----+-----+-----+
| rollno | name | branch | cgpa |
+-----+-----+-----+-----+
| 1      | Amal | CSE    | 7    |
| 2      | Dia  | CSE    | 9    |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> delete from student;
Query OK, 2 rows affected (0.01 sec)

mysql> select * from student;
Empty set (0.01 sec)

mysql> drop table student;
Query OK, 0 rows affected (0.04 sec)

mysql> show tables;
Empty set (0.01 sec)

mysql> drop database jyothi;
Query OK, 0 rows affected (0.02 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| ebookshop |
| information_schema |
| mysql     |
| performance_schema |
| sakila    |
| sys       |
| world     |
+-----+
```

