

```
# Connecting through MySQL Shell - (Through command prompt)
```

```
=====
```

```
mysqlsh -h host -u user -p
```

```
mysqlsh -h localhost -u root -p
```

```
mysqlsh -h 192.168.2.128 -u stud01
```

```
OR # MySQL Shell - Directly
```

```
mysqlsh
```

```
\sql
```

```
\connect root@localhost
```

```
# Connecting to MySQL Monitor Command line
```

```
=====
```

```
mysql -h host -u user -p
```

```
mysql -localhost -u root -p
```

```
=====
```

```
# Creating a database/schema [may give error due to insufficient privileges]
```

```
CREATE DATABASE mydb;
```

```
CREATE SCHEMA mydb_temp;
```

```
# Listing all databases
```

```
SHOW DATABASES;
```

```
# Connecting to a database / Setting a default database
```

```
USE mydb01;
```

```
# MySQL Shell Help
```

```
\?
```

```
\h
```

```
help
```

```
help contents
```

```
\s      -- status
```

```
\q      = quit/exit
```

```
\u      = use <database name>
```

```
\g      = ; send command to mysql server
```

```
\G      -- vertical display
```

```
# Few Useful Commands
```

```
SELECT version();
```

```
SELECT current_date;
```

```
SELECT current_time;
```

```
SELECT current_timestamp;
```

```
SELECT version();
```

```
SELECT now();
```

```
SELECT version(), current_date, current_time, current_timestamp;
```

```
SHOW DATABASES;
```

```
SHOW DATABASES\g
```

```
SHOW DATABASES\G
```

```
SELECT 4+4, 4/3, 3*(2/1.5)+4;
```

```
SELECT user();
```

```
SELECT database();
```

```
SELECT schema();
```

```
# Creating a Table -
```

```
CREATE TABLE dept(  
    deptno      integer(2),  
    dname       VARCHAR(14),  
    loc         VARCHAR(13),  
    CONSTRAINT pk_dept PRIMARY KEY (deptno)  
);
```

```
CREATE TABLE emp(  
    empno       integer,  
    ename       varchar(10),  
    job         varchar(9),  
    mgr         integer,  
    hiredate    date,  
    sal         integer,  
    comm        integer,  
    deptno      integer,  
    CONSTRAINT pk_emp PRIMARY KEY (empno),  
    CONSTRAINT fk_deptno foreign key (deptno) REFERENCES dept (deptno)  
);
```

```
# Listing all tables
```

```
SHOW tables;
```

```
# Describing a Table -
```

```
DESCRIBE emp;
```

```
DESCRIBE dept;
```

```
# Selecting Viewing data from a table
```

```
SELECT * FROM emp;
```

```
SELECT * FROM dept;
```

```
# Creating User/Roles; [may give error due to insufficient privileges]
```

```
CREATE USER 'myuser' IDENTIFIED BY 'welcome';
```

```
GRANT ALL ON mydb.* TO 'myuser';
```

```
SELECT user, host FROM mysql.user;
```

```
SHOW GRANTS FOR 'myuser@%'
```