

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 root
```

\sql

=====

OR # MySQL Shell - Directly

\sql

\connect root@localhost

Connecting to MySQL Monitor Command line

=====

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

=====

Creating a database/schema

```
CREATE DATABASE mydb;
CREATE SCHEMA mydb_temp;
DROP 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 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();
```

```
SHOW tables;
```

```
# 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;
DESC dept;
```

```
# Selecting Viewing data from a table
SELECT * FROM emp;
SELECT * FROM dept;
```

```
insert into dept values (10, 'SENG', 'JUHU', null);
    -- WILL RETURN ERROR
insert into dept values (10, 'SENG', 'JUHU');
insert into dept (deptno, dname, loc) values (20, 'ITSS', 'JUHU');

SELECT * FROM dept;

-- INSERTING MULTIPLE RECORDS AT A TIME.

insert into dept values (30, 'CNIE', 'JUHU'), (40, 'ETU', 'KHARGHAR');

alter table dept modify column deptno integer;
alter table dept add column hod varchar(30);
alter table dept drop column hod;

DELETE FROM DEPT WHERE DEPTNO =20;

SELECT * FROM dept;
```