

CRUD operations using MySQL Database:

1)

To create a Database in MySQL

-> CREATE DATABASE Company;

2)

To create a Table Employee in Database

```
-> CREATE TABLE EMPLOYEE
(EMPNO CHAR(6) NOT NULL,
FIRSTNAME VARCHAR(12) NOT NULL,
LASTNAME VARCHAR(15) NOT NULL,
WORKDEPT CHAR(3) ,
PHONENO CHAR(15) ,
HIREDATE DATE ,
SALARY DECIMAL(9,2) ,
PRIMARY KEY (EMPNO))
```

3)

To insert values into the Table.

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('001','Avinash','Sharma','IT','09980557208','2018-01-15','20000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('002','Amith','Mathad','IT','09481279987','2018-02-15','25000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('003','Guru','Siddesh','IT','09620151929','2018-03-15','30000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('004','Harsha','Badsha','IT','09620151292','2018-04-15','40000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('005','Swetha','Kumar','HR','09980551234','2018-05-15','50000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('006','Annpurnima','Kavi','HR','09912341234','2018-06-15','50000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('007','Sagar','Kavi','CEO','012341234','2018-06-15','50000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('008','Agastya','Kumar','VP','09912345678','2018-01-10','100000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('009','Brethi','Kulkerni','IT','09998765432','2018-01-18','10000');
```

```
INSERT INTO `EMPLOYEE`
(`empno`,`firstname`,`lastname`,`workdept`,`phoneno`,`hiredate`,`salary`) VALUES
('0010','Tanvi','Sharma','IT','07498765432','2018-01-18','10000');
```

4)
Retrive all Employee Degtails.

-> SELECT * FROM EMPLOYEE;

		EMPNO	FIRSTNAME	LASTNAME	WORKDEPT	PHONENO	HIREDATE	SALARY
<input type="checkbox"/>	Edit Copy Delete	001	Avinash	Sharma	IT	09980557208	2018-01-15	20000.00
<input type="checkbox"/>	Edit Copy Delete	0010	Tanvi	Sharma	IT	07498765432	2018-01-18	10000.00
<input type="checkbox"/>	Edit Copy Delete	002	Amith	Mathad	IT	09481279987	2018-02-15	25000.00
<input type="checkbox"/>	Edit Copy Delete	003	Guru	Siddesh	IT	09620151929	2018-03-15	30000.00
<input type="checkbox"/>	Edit Copy Delete	004	Harsha	Badsha	IT	09620151292	2018-04-15	40000.00
<input type="checkbox"/>	Edit Copy Delete	005	Swetha	Kumar	HR	09980551234	2018-05-15	50000.00
<input type="checkbox"/>	Edit Copy Delete	006	Annpurnima	Kavi	HR	09912341234	2018-06-15	50000.00
<input type="checkbox"/>	Edit Copy Delete	007	Sagar	Kavi	CEO	012341234	2018-06-15	50000.00
<input type="checkbox"/>	Edit Copy Delete	008	Agastya	Kumar	VP	09912345678	2018-01-10	100000.00
<input type="checkbox"/>	Edit Copy Delete	009	Brethi	Kulkerni	IT	09998765432	2018-01-18	10000.00

5)
Retrive details of Employee whose emono = 5

-> SELECT * FROM employee WHERE empno=005

Error: #1146 - Table 'Company.employee' doesn't exist

-> SELECT * FROM EMPLOYEE WHERE empno=005

		EMPNO	FIRSTNAME	LASTNAME	WORKDEPT	PHONENO	HIREDATE	SALARY
<input type="checkbox"/>	Edit Copy Delete	005	Swetha	Kumar	HR	09980551234	2018-05-15	50000.00

6)

Update Employee Phoneno and Salary whose empno is 001

-> UPDATE EMPLOYEE

SET phoneno = '9738348033', salary= '30000'
empno = 001;

✓ 1 row affected. (Query took 0.0741 seconds.)

```
UPDATE EMPLOYEE SET phoneno = '9738348033', salary= '30000' WHERE empno = 001
```

7)

Delete a whole row from Employee Table whoes firstname is Tanvi

-> DELETE FROM EMPLOYEE

WHERE firstname="Tanvi";

Here we can see details of Tanvi deleted from the Employee Table.

				EMPNO	FIRSTNAME	LASTNAME	WORKDEPT	PHONENO	HIREDATE	SALARY
<input type="checkbox"/>	 Edit	 Copy	 Delete	001	Avinash	Sharma	IT	9738348033	2018-01-15	30000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	002	Amith	Mathad	IT	09481279987	2018-02-15	25000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	003	Guru	Siddesh	IT	09620151929	2018-03-15	30000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	004	Harsha	Badsha	IT	09620151292	2018-04-15	40000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	005	Swetha	Kumar	HR	09980551234	2018-05-15	50000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	006	Annpurnima	Kavi	HR	09912341234	2018-06-15	50000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	007	Sagar	Kavi	CEO	012341234	2018-06-15	50000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	008	Agastya	Kumar	VP	09912345678	2018-01-10	100000.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	009	Brethi	Kulkerni	IT	09998765432	2018-01-18	10000.00

8)

Find out the Employee who gets paid highest salary.

-> SELECT * from EMPLOYEE where salary = (SELECT max(salary) from EMPLOYEE)

Options										
<div><div>↔T↔</div><div>▼</div></div>				EMPNO	FIRSTNAME	LASTNAME	WORKDEPT	PHONENO	HIREDATE	SALARY
<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	008	Agastya	Kumar	VP	09912345678	2018-01-10	100000.00	