

# MySQL Basic Commands Cheat Sheet

## 1. Create Database

```
CREATE DATABASE database_name;
```

Example:

```
CREATE DATABASE CollegeDB;
```

## 2. Use Database

```
USE database_name;
```

Example:

```
USE CollegeDB;
```

## 3. Create Table

```
CREATE TABLE table_name (  
    column1 datatype,  
    column2 datatype,  
    ...  
);
```

Example:

```
CREATE TABLE Students (  
    StudentID INT PRIMARY KEY,  
    Name VARCHAR(100),  
    Age INT,  
    Department VARCHAR(50)  
);
```

## 4. Insert Single Row

```
INSERT INTO table_name (column1, column2, ...)  
VALUES (value1, value2, ...);
```

Example:

```
INSERT INTO Students (StudentID, Name, Age, Department)  
VALUES (101, 'Alice', 20, 'Computer Science');
```

# MySQL Basic Commands Cheat Sheet

## 5. Insert Multiple Rows

```
INSERT INTO table_name (column1, column2, ...)
```

```
VALUES
```

```
(value1a, value2a, ...),
```

```
(value1b, value2b, ...),
```

```
(value1c, value2c, ...);
```

Example:

```
INSERT INTO Students (StudentID, Name, Age, Department)
```

```
VALUES
```

```
(102, 'Bob', 21, 'Mechanical'),
```

```
(103, 'Charlie', 22, 'Electrical'),
```

```
(104, 'Diana', 20, 'Civil');
```

## 6. Select Data

a) Select All Columns:

```
SELECT * FROM table_name;
```

Example:

```
SELECT * FROM Students;
```

b) Select Specific Columns:

```
SELECT column1, column2 FROM table_name;
```

Example:

```
SELECT Name, Department FROM Students;
```

## 7. Update Data

```
UPDATE table_name
```

```
SET column1 = value1, column2 = value2, ...
```

```
WHERE condition;
```

Example:

```
UPDATE Students
```

```
SET Age = 23
```

# MySQL Basic Commands Cheat Sheet

WHERE StudentID = 103;

## 8. Delete Data

DELETE FROM table\_name

WHERE condition;

Example:

DELETE FROM Students

WHERE StudentID = 102;

To delete all rows:

DELETE FROM table\_name;