

# MySQL query (part-01)

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# 'Create' command

- ▶ To create a new Database: write this query  
Create database 'Database Name' ;

**Like:**

```
1 create database CollageDataBase;
```

# 'Show' command

- ▶ To showing the all databases: write this query

Show databases ;

## Output:

Database
information_schema
mysql
performance_schema
phpmyadmin
student

# 'Drop' command

- ▶ To remove the database and table: write this query

Drop database 'Database Name'

Drop table 'Table Name'

**Like:**

```
1 DROP database CollageDataBase;
```

# Create a table

- For creating a table: write this query

`create table 'Table Name'(column1, column2, column3, ...)`

**Like:**

```
1 CREATE TABLE studentinformation
2 (
3     Name varchar(20),
4     Roll int,
5     totalMark int
6 );
```

# Description about table

A table has many column. Each column has different types of value. Like Name column has string type of value, Age column has integer type of value etc.

- String define `varchar(range): Name varchar(20)`
- Integer define `int: Age int`

# 'insert' command

- ▶ To store the value in the table: write this query

```
Insert into table_name(column1_name, column2_name, ...)  
Values (value1, value2, ...) ;
```

**Like:**

```
1 INSERT INTO studentdetails (Roll, Name, Gender, Age, Gpa, City)  
2 VALUES (107, 'Ope', 'Male', 24, 3.50, 'Dhaka');
```

# 'select' command

- To find the all records of a table: write this query

`select * from tableName ;`

Note: \* mark define all the column of a table;

**Like:**

```
1 SELECT * FROM studentdetails;
```

**OutPut:**

Roll	Name	Gender	Age	Gpa	City
101	Rahim	Male	18	3.44	Sylhet
102	Hasina	Female	17	4.50	Dhaka
103	Noyon	Male	23	3.70	Sylhet
104	Mithun	Male	17	4.50	Khulna
105	Purna	Female	22	3.44	Barisal
106	Arpa	Female	19	3.50	Dhaka
107	Ope	Male	24	3.50	Dhaka



# Find column1 & column2 all records from the table.

Write this query:

Select column1, column2 from tableName;

**Like:**

```
1 SELECT Name, Roll from studentdetails;
```

**Output:**

Name	Roll
Rahim	101
Hasina	102
Noyon	103
Mithun	104
Purna	105
Arpa	106
Ope	107

# Sort your table according to the Name, ascending order

- There are two types of sorting: 1. Ascending order, 2. Descending order

Ascending order:

**Like:**

```
1 SELECT * FROM studentdetails
2 ORDER BY Name
```

**output:**

Roll	Name	Gender	Age	Gpa	City
106	Arpa	Female	19	3.50	Dhaka
102	Hasina	Female	17	4.50	Dhaka
104	Mithun	Male	17	4.50	Khulna
103	Noyon	Male	23	3.70	Sylhet
107	Ope	Male	24	3.50	Dhaka
105	Purna	Female	22	3.44	Barisal
101	Rahim	Male	18	3.44	Sylhet

# Sort your table according to the Name, Descending order

Descending order:

**Like:**

```
1 SELECT * FROM studentdetails
2 ORDER BY Name DESC;
```

**Output:**

Roll	Name	Gender	Age	Gpa	City
101	Rahim	Male	18	3.44	Sylhet
105	Purna	Female	22	3.44	Barisal
107	Ope	Male	24	3.50	Dhaka
103	Noyon	Male	23	3.70	Sylhet
104	Mithun	Male	17	4.50	Khulna
102	Hasina	Female	17	4.50	Dhaka
106	Arpa	Female	19	3.50	Dhaka

# 'Distinct' command

Distinct show the unique value of a column.

## Command:

```
1 SELECT DISTINCT City from studentdetails;
```

## Output:

City
Sylhet
Dhaka
Khulna
Barisal

# 'Limit' command

- Write this query to find the first 5 record from a table

`select * from table_Name limit 5;`

**Like:**

```
1 SELECT * from studentdetails LIMIT 5;
```

**output:**

Roll	Name	Gender	Age	Gpa	City
101	Rahim	Male	18	3.44	Sylhet
102	Hasina	Female	17	4.50	Dhaka
103	Noyon	Male	23	3.70	Sylhet
104	Mithun	Male	17	4.50	Khulna
105	Purna	Female	22	3.44	Barisal

# Exercise-01: Find the first 3 record according to the ascending order name

- Write this query:

```
select * from tableName order by name limit 3;
```

**Like:**

```
1 SELECT * FROM studentdetails
2 ORDER BY Name LIMIT 3;
```

**output:**

Roll	Name	Gender	Age	Gpa	City
106	Arpa	Female	19	3.50	Dhaka
102	Hasina	Female	17	4.50	Dhaka
104	Mithun	Male	17	4.50	Khulna

## Exercise-02: First skip 2 records then find the 3 records according to the ascending order Roll

- To skip the record write this query:

Select \* from tableName order by Roll limit 3, 5;

Like:

```
1 SELECT * FROM studentdetails
2 ORDER BY Roll LIMIT 2, 3;
```

Output:

1	Name	Gender	Age	Gpa	City
103	Noyon	Male	23	3.70	Sylhet
104	Mithun	Male	17	4.50	Khulna
105	Purna	Female	22	3.44	Barisal



# Thank you

PART 02 WILL BE COMING SOON.