***mysql> alter table student drop constraint student\_chk\_1;***

***/ /you have to drop constraints one by one here***

***mysql> alter table student drop constraint student\_chk\_2;***

mysql> **create table student2** (roll int, name varchar(20) not null, marks float, age int check (age>18));

Query OK, 0 rows affected (0.02 sec)

mysql> insert into student2 values (1, "Sid",95,22) , (2,"Shivendra",23,85), (3,"Tumesh",24,99), (4,"Vishal",21,86);

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> insert into student2 values (5, "Yash",95,23);

Query OK, 1 row affected (0.00 sec)

mysql> select \* student2;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'student2' at line 1

mysql> select \* from student2;

+------+-----------+-------+------+

| roll | name | marks | age |

+------+-----------+-------+------+

| 1 | Siddhant | 95 | 22 |

| 2 | Shivendra | 23 | 85 |

| 3 | Tumesh | 24 | 99 |

| 4 | Vishal | 21 | 86 |

| 5 | Yash | 95 | 23 |

|  |  |  |  |
| --- | --- | --- | --- |

**Dropping constraint on tuple Name:**

mysql> alter table student2 modify name varchar(20) null;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

**Aggregate Functions:**

**1 to 6 together:**

ysql> select sum(marks),avg(marks), min(marks), max(marks), count(marks) from student2;

+------------+--------------------+------------+------------+--------------+

| sum(marks) | avg(marks) | min(marks) | max(marks) | count(marks) |

+------------+--------------------+------------+------------+--------------+

| 344 | 57.333333333333336 | 21 | 95 | 6 |

+------------+--------------------+------------+------------+--------------+

1 row in set (0.00 sec)

**Grouping by like:**

mysql> select \* from student2 where name like 's%';

+------+-----------+-------+------+

| roll | name | marks | age |

+------+-----------+-------+------+

| 1 | Siddhant | 95 | 22 |

| 2 | Shivendra | 23 | 85 |

+------+-----------+-------+------+

2 rows in set (0.00 sec)

**Grouping by Order by:**

mysql> select \* from student2 order by marks;

+------+-----------+-------+------+

| roll | name | marks | age |

+------+-----------+-------+------+

| 4 | Vishal | 21 | 86 |

| 2 | Shivendra | 23 | 85 |

| 3 | Tumesh | 24 | 99 |

| 6 | | 86 | 26 |

| 1 | Siddhant | 95 | 22 |

| 5 | Yash | 95 | 23 |

+------+-----------+-------+------+

6 rows in set (0.00 sec)

**Descending by roll:**

mysql> select \* from student2 order by roll desc;

+------+-----------+-------+------+

| roll | name | marks | age |

+------+-----------+-------+------+

| 6 | | 86 | 26 |

| 5 | Yash | 95 | 23 |

| 4 | Vishal | 21 | 86 |

| 3 | Tumesh | 24 | 99 |

| 2 | Shivendra | 23 | 85 |

| 1 | Siddhant | 95 | 22 |

|  |  |  |  |
| --- | --- | --- | --- |

**Grouping by BETWEEN roll from 2 to 5:**

mysql> select \* from student2 where roll between 2 and 5;

+------+-----------+-------+------+

| roll | name | marks | age |

+------+-----------+-------+------+

| 2 | Shivendra | 23 | 85 |

| 3 | Tumesh | 24 | 99 |

| 4 | Vishal | 21 | 86 |

| 5 | Yash | 95 | 23 |

+------+-----------+-------+------+

4 rows in set (0.01 sec)

**Grouping by using comparing nulls:**

mysql> select \* from student2 where name is null and age is null;

**Empty set** (0.00 sec)

**Grouping by using IN:**

mysql> select \* from student2 where roll in (2,3,4);

+------+-----------+-------+------+

| roll | name | marks | age |

+------+-----------+-------+------+

| 2 | Shivendra | 23 | 85 |

| 3 | Tumesh | 24 | 99 |

| 4 | Vishal | 21 | 86 |

+------+-----------+-------+------+

3 rows in set (0.00 sec)

**Grouping by using Not In:**

mysql> select \* from student2 where not roll in (2,3,4);

+------+----------+-------+------+

| roll | name | marks | age |

+------+----------+-------+------+

| 1 | Siddhant | 95 | 22 |

| 5 | Yash | 95 | 23 |

| 6 | | 86 | 26 |

+------+----------+-------+------+

3 rows in set (0.00 sec)