

## EXPERIMENT NO:6

### SELECT WITH VARIOUS CLAUSE- ORDER BY, HAVING, GROUP BY

#### HAVING

```
MySQL 8.0 Command Line Cli x + v

mysql> select name,age from students order by age asc limit 3;
+-----+-----+
| name | age |
+-----+-----+
| reena | 12 |
| hari | 18 |
| gaya | 19 |
+-----+-----+
3 rows in set (0.03 sec)

mysql> select name,age from students order by age desc limit 3;
+-----+-----+
| name | age |
+-----+-----+
| madii | 20 |
| gaya | 19 |
| hari | 18 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> select name,age from students having regno=123;
ERROR 1054 (42S22): Unknown column 'regno' in 'having clause'
mysql> select name,age from students having age=18;
+-----+-----+
| name | age |
+-----+-----+
| hari | 18 |
+-----+-----+
1 row in set (0.00 sec)

mysql> select name,age from students having name="madii";
+-----+-----+
| name | age |
+-----+-----+
| madii | 20 |
+-----+-----+
1 row in set (0.00 sec)

mysql>
```

#### ORDER BY

```
MySQL 8.0 Command Line Cli x + v

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use sse;
Database changed
mysql> select*from students;
+-----+-----+-----+
| name | age | regno |
+-----+-----+-----+
| hari | 18 | 123 |
| reena | 12 | 456 |
| madii | 20 | 678 |
| gaya | 19 | 900 |
+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> select name,age from students order by age asc limit 3;
+-----+-----+
| name | age |
+-----+-----+
| reena | 12 |
| hari | 18 |
| gaya | 19 |
+-----+-----+
3 rows in set (0.03 sec)

mysql> select name,age from students order by age desc limit 3;
+-----+-----+
| name | age |
+-----+-----+
| madii | 20 |
| gaya | 19 |
| hari | 18 |
+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

# GROUP BY

```
MySQL 8.0 Command Line Cli x + v
+-----+-----+-----+-----+
| name | age | regno | rollno |
+-----+-----+-----+-----+
| hari | 18 | 123 | 1 |
| reena | 12 | 456 | 2 |
| madii | 20 | 678 | 3 |
| gaya | 19 | 900 | 4 |
| sai | 14 | 234 | 5 |
| hari | 18 | 101 | 6 |
| madii | 19 | 112 | 7 |
| tej | 19 | 115 | 8 |
| sai | 20 | 125 | 9 |
| gaya | 20 | 145 | 10 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> select count(rollno),name from students group by name;
+-----+-----+
| count(rollno) | name |
+-----+-----+
| 2 | hari |
| 1 | reena |
| 2 | madii |
| 2 | gaya |
| 2 | sai |
| 1 | tej |
+-----+-----+
6 rows in set (0.03 sec)

mysql> select count(name),name from students group by name;
+-----+-----+
| count(name) | name |
+-----+-----+
| 2 | hari |
| 1 | reena |
| 2 | madii |
| 2 | gaya |
| 2 | sai |
| 1 | tej |
+-----+-----+
6 rows in set (0.00 sec)
```