

## EXPERIMENT NO:5

### SELECT WITH VARIOUS CLAUSE-BETWEEN, IN, AGGREGATE FUNCTION

#### BETWEEN

```
MySQL 8.0 Command Line Client - Unicode
3 rows in set (0.00 sec)

mysql> select*from students;
+----+-----+-----+
| name | age | regno |
+----+-----+-----+
| har1 | 18 | 123 |
| reena | 12 | 456 |
| mad11 | 20 | 678 |
| gaya | 19 | 900 |
+----+-----+-----+
4 rows in set (0.00 sec)

mysql> select name from students where age between 10 and 15;
+----+
| name |
+----+
| reena |
+----+
1 row in set (0.00 sec)

mysql> select name,age,regno from students where age between 15 and 20;
+----+-----+-----+
| name | age | regno |
+----+-----+-----+
| har1 | 18 | 123 |
| mad11 | 20 | 678 |
| gaya | 19 | 900 |
+----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

#### AGGREGATE FUNCTIONS-SUM, MIN, MAX, COUNT, FIRST, LAST

```
MySQL 8.0 Command Line Client - Unicode

mysql> select sum(age) from students;
+-----+
| sum(age) |
+-----+
| 69 |
+-----+
1 row in set (0.03 sec)

mysql> select sum(avg) from students;
ERROR 1054 (42S22): Unknown column 'avg' in 'field list'
mysql> select avg(age) from students;
+-----+
| avg(age) |
+-----+
| 17.2500 |
+-----+
1 row in set (0.00 sec)

mysql> select min(age) from students;
+-----+
| min(age) |
+-----+
| 12 |
+-----+
1 row in set (0.00 sec)

mysql> select max(age) from students;
+-----+
| max(age) |
+-----+
| 20 |
+-----+
1 row in set (0.00 sec)

mysql> select count(age) from students;
+-----+
| count(age) |
+-----+
| 4 |
+-----+
1 row in set (0.03 sec)

mysql> select first(age) from students;
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 '(age) from students' at line 1
mysql> select first(name) from students;
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 '(name) from students' at line 1
```

```
MySQL 8.0 Command Line Client - Unicode
+-----+
| count(age) |
+-----+
| 4 |
+-----+
1 row in set (0.03 sec)

mysql> select first(age) from students;
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 '(age) from students' at line 1
mysql> select first(name) from students;
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 '(name) from students' at line 1
mysql> select name,age from students order by age asc limit 2;
+-----+
| name | age |
+-----+
| reena | 12 |
| hari | 18 |
+-----+
2 rows in set (0.00 sec)

mysql> select name,age from students limit 2;
+-----+
| name | age |
+-----+
| hari | 18 |
| reena | 12 |
+-----+
2 rows in set (0.00 sec)

mysql> select name,age from students order by age desc limit 2;
+-----+
| name | age |
+-----+
| madii | 20 |
| gaya | 19 |
+-----+
2 rows in set (0.00 sec)

mysql>
```

IN

```
MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 8.0.33 MySQL Community Server - GPL

Copyright (c) 2000, 2023, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
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 (0.00 sec)

mysql> select name,regno from students where name in("hari","madii");
+-----+
| name | regno |
+-----+
| hari | 123 |
| madii | 678 |
+-----+
2 rows in set (0.00 sec)

mysql>
```