Aggregate and subquery


```
MySQL 8.0 Command Line Client
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 48
Server version: 8.0.30 MySQL Community Server - GPL

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

mysql> select * from db9. student;
+--------+-------+------------+
| rollno | sname | dob        |
+--------+-------+------------+
|      1 | hari  | 2000-02-03 |
|      2 | kavi  | 2000-03-04 |
|      3 | siva  | 2003-05-06 |
|      4 | sis   | 2002-05-07 |
+--------+-------+------------+
4 rows in set (0.00 sec)

mysql> select * from student where rollno in(select rollno from student where dob>"2000-03-04");
ERROR 1046 (3D000): No database selected
mysql> select * from db9.student where rollno in(select rollno from student where dob>"2000-03-04");
ERROR 1046 (3D000): No database selected
mysql> select * from db9.student where rollno in(select rollno from db9.student where dob>"2000-03-04");
+--------+-------+------------+
| rollno | sname | dob        |
+--------+-------+------------+
|      3 | siva  | 2003-05-06 |
|      4 | sis   | 2002-05-07 |
+--------+-------+------------+
2 rows in set (0.00 sec)

mysql>
```



```
MySQL 8.0 Command Line Client
mysql> select age from db9. student;
ERROR 1054 (42S22): Unknown column 'age' in 'field list'
mysql> select rollno from db9.student;
+--------+
| rollno |
+--------+
|      1 |
|      2 |
|      3 |
|      4 |
+--------+
4 rows in set (0.00 sec)

mysql> select max(rollno) from db9.student;
+-------------+
| max(rollno) |
+-------------+
|           4 |
+-------------+
1 row in set (0.00 sec)

mysql> select min(rollno) from db9. student;
+-------------+
| min(rollno) |
+-------------+
|           1 |
+-------------+
1 row in set (0.00 sec)

mysql> select sname min(rollno) from db9. student;
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 'min(rollno) from db9. student' at line 1
mysql> select sname , min(rollno) from db9. student;
+-------+-------------+
| sname | min(rollno) |
+-------+-------------+
| hari  |           1 |
+-------+-------------+
1 row in set (0.00 sec)
```

```
+-------+-------------+
| hari  |           1 |
+-------+-------------+
1 row in set (0.00 sec)

mysql> select sname , max(rollno) from db9. student;
+-------+-------------+
| sname | max(rollno) |
+-------+-------------+
| hari  |           4 |
+-------+-------------+
1 row in set (0.00 sec)

mysql>  select sname , count(rollno) from db9. student;
+-------+---------------+
| sname | count(rollno) |
+-------+---------------+
| hari  |             4 |
+-------+---------------+
1 row in set (0.00 sec)

mysql> select sname , count(rollno) as student from db9. student;
+-------+---------+
| sname | student |
+-------+---------+
| hari  |       4 |
+-------+---------+
1 row in set (0.00 sec)

mysql> select sum(rollno) as total_sum from db9. student;
+-----------+
| total_sum |
+-----------+
|        10 |
+-----------+
1 row in set (0.00 sec)

mysql>  select avg(rollno) as average_rollno from db9. student;
+----------------+
| average_rollno |
```

```
mysql>  select avg(rollno) as average_rollno from db9. student;
+----------------+
| average_rollno |
+----------------+
|         2.5000 |
+----------------+
1 row in set (0.00 sec)

mysql>
```