

```
MySQL 8.0 Command Line Client
-> FROM Students
-> WHERE marks > (
->     SELECT AVG(marks) FROM Students
-> );
+-----+-----+
| student_name | marks |
+-----+-----+
| Alice        | 85    |
| Charlie      | 92    |
| Frank        | 88    |
+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT C.course_name, A.avg_marks
-> FROM (
->     SELECT course_id, AVG(marks) AS avg_marks
->     FROM Students
->     GROUP BY course_id
-> ) AS A
-> JOIN Courses C ON A.course_id = C.course_id;
+-----+-----+
| course_name | avg_marks |
+-----+-----+
| Computer Science | 75.6667 |
| Mechanical Engineering | 83.0000 |
| Civil Engineering | 92.0000 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT student_name, marks, course_id
-> FROM Students S1
-> WHERE marks > (
->     SELECT AVG(marks)
->     FROM Students S2
->     WHERE S2.course_id = S1.course_id
-> );
```