**YSD\_B03\_J2EE\_Exam\_SQL\_Queries**

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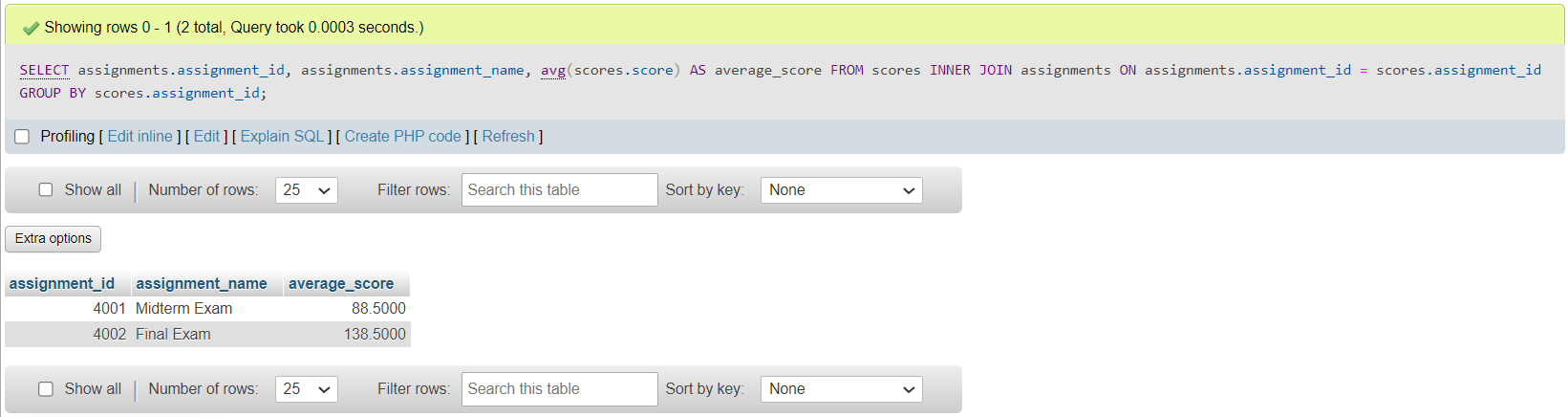
1. **Write a query to find the average score for each assignment.**

SELECT assignments.assignment\_id, assignments.assignment\_name, avg(scores.score) AS average\_score FROM scores

INNER JOIN assignments

ON assignments.assignment\_id = scores.assignment\_id

GROUP BY scores.assignment\_id



1. **Write a query to retrieve the student’s name, department, and total number of courses enrolled for students who have enrolled in more than 1 course.**

SELECT students.student\_name, courses.department, COUNT(enrollments.enrollment\_id) AS total\_courses FROM enrollments

INNER JOIN students

ON students.student\_id = enrollments.student\_id

INNER JOIN courses

ON courses.course\_id = enrollments.course\_id

GROUP BY enrollments.student\_id

HAVING COUNT(enrollments.enrollment\_id) > 1

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1. **Write a query to find the courses that have the highest enrollment count.**

SELECT courses.course\_id, courses.course\_name, COUNT(enrollments.enrollment\_id) AS enrollment\_count FROM enrollments

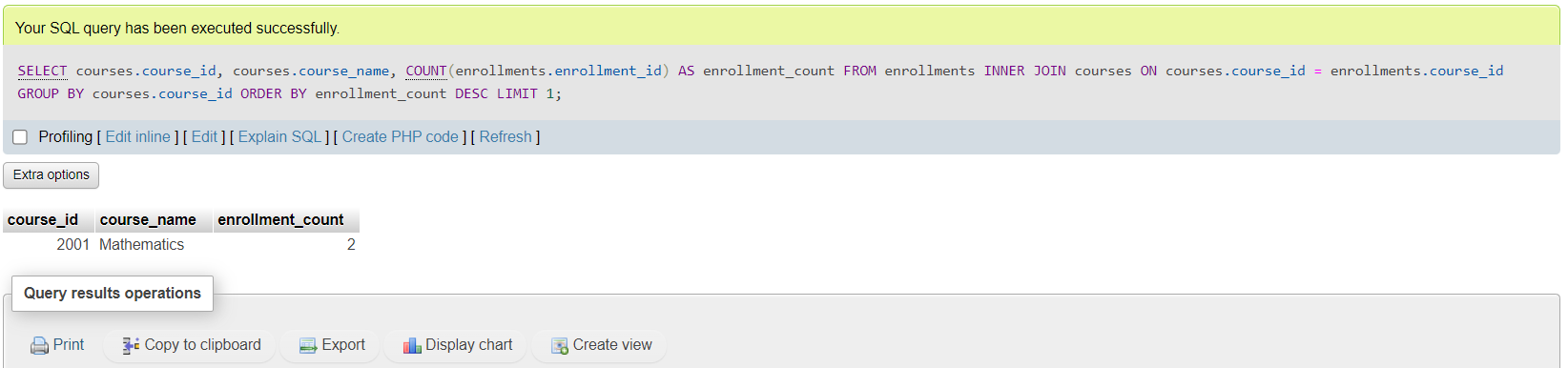
INNER JOIN courses

ON courses.course\_id = enrollments.course\_id

GROUP BY courses.course\_id

ORDER BY enrollment\_count DESC

LIMIT 1



1. **Write a query to calculate the overall average score for each student.**

SELECT students.student\_id, students.student\_name, AVG(scores.score) AS average\_score FROM scores

INNER JOIN students

ON scores.student\_id = students.student\_id

GROUP BY scores.student\_id

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1. **Write a query to find the students who have scored above the overall average score in all their assignments.**

SELECT students.student\_id, students.student\_name, scores.score FROM scores

INNER JOIN students

ON students.student\_id = scores.student\_id

WHERE scores.score > (SELECT AVG(scores.score) FROM scores)

