LMS Questions

1. List All Courses with Their Category Names

Question: Retrieve a list of courses along with the name of the category to which each course belongs.

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2. Count the Number of Courses in Each Category

Question: For each category, count how many courses exist.

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3. List All Students' Full Names and Email Addresses

Question: Retrieve the full names and email addresses for all users with the role 'student. '

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4. Retrieve All Modules for a Specific Course Sorted by Module Order

Question: For a given course (e.g., course_id = 1), list its modules sorted by their order.

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5. List All Content Items for a Specific Module

Question: Retrieve all content items for a specific module (for example, module_id = 2).

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6. Find the Average Score for a Specific Assessment

Question: Calculate the average score of submissions for a given assessment (e.g., assessment_id = 1).

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7. List All Enrollments with Student Names and Course Names

Question: Retrieve a list of enrollments that shows the student's full name, the course name, and the enrollment date.

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8. Retrieve All Instructors' Full Names

Question: List the full names and email addresses of all users with the role 'instructor'.

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9. Count the Number of Assessment Submissions per Assessment

Question: For each assessment, count how many submissions have been made.

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10. List the Top Scoring Submission for Each Assessment

Question: Retrieve, for each assessment, the submission that achieved the highest score.

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11. Retrieve Courses Created After a Specific Date

Question: List courses that were created after '2023-04-01'.

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12. Find Students Who Have Not Submitted Any Assessments

Question: Retrieve a list of students who do not have any records in the assessment_submission table.

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13. List the Content for Courses in the 'Programming' Category

Question: Retrieve all content items for courses whose category is 'Programming'.

14. Retrieve Modules That Have No Associated Content

Question: List modules that do not have any content items linked to them.

15. List Courses with the Total Number of Enrollments

Question: For each course, display the course name along with the count of enrollments.

16. Find the Average Assessment Submission Score for Each Course

Question: Calculate the average score of all assessment submissions for each course by joining courses, modules, assessments, and submissions.

17. List Users with Their Number of Enrollments

Question: Retrieve a list of all users along with the count of courses they are enrolled in.

18. Find the Assessment with the Highest Average Score

Question: Identify the assessment that has the highest average submission score.

19. List Courses Along with Their Modules and Content in Hierarchical Order

Question: Retrieve a hierarchical list that shows each course, its modules, and the content items within each module.

20. Find the Total Number of Assessments Per Course

Question: For each course, count the total number of assessments available by joining courses, modules, and assessments.

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21. List All Enrollments from May 2023

Question: Retrieve all enrollment records where the enrollment date falls within May 2023.

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22. Retrieve Assessment Submission Details Along with Course and Student Information

Question: For each assessment submission, display the submission details along with the corresponding course name, student name, and assessment name.

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23. List All Users with Their Roles

Question: Retrieve a list of all users showing their full names and roles.

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24. Find the Percentage of Passing Submissions for Each Assessment

Question: Assuming a passing score is 60 or above, calculate the passing percentage for each assessment.

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25. Find Courses That Do Not Have Any Enrollments

Question: List the courses for which there are no enrollment records.