

Complex SQL Query Questions – University Database

1. List students who have taken all the courses offered by their department.
2. Find the instructor who teaches the maximum number of courses.
3. Display students who have scored a grade higher than the average grade of their department.
4. For each department, list the course with the highest number of enrollments.
5. Find students who are enrolled in courses taught by instructors from a different department.
6. Retrieve instructors who do not teach any course in the EVEN semester.
7. Find the total number of credits each student is taking in 2024 (both semesters).
8. List departments where all instructors earn more than the university's average instructor salary.
9. Display the names of students who have taken at least one course from every department.
10. Identify the course that has the highest average grade.
11. Display the instructors whose salary is higher than every instructor in the MECH department.
12. Find students who are taking more than one course in the same semester and year.
13. List instructors and the count of students taught by them across all semesters.
14. Find the pair of students who have taken the same course in the same semester and year.
15. Display the department with the highest average student grade (2024).