

5. List all students in the IT or HR dept who are older than 21

Select student-id, name, age, department

FROM STUDENTS

WHERE department IN ('IT', 'HR') AND age > 21;

2	Bob	22	HR
5	Eve	22	HR

6. Show total credits per department, only for departments with more than 5 total credits

→ Select department, Sum(credits) as total\_credits

FROM COURSES

GROUP BY department

HAVING Sum(credits) > 5;

IT	11
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7. List all courses that do not have 4 credits

→ Select course-id, course-name, department, credits

FROM COURSES

WHERE credits != 4;

101	SQL basics	IT	3
104	Excel	Finance	2
105	Statistics	HR	3

8. Show the top 3 courses by credits in descending order

→ Select course-id, course-name, credits

FROM COURSES

ORDER BY credits desc

Limit 3;

id	course-name	credits
102	Python	4
103	Data Science	4
101	SQL Basics	3

9. Get the maximum, minimum and average grade across all enrollments

Select

max(grade) as max-grade,

min(grade) as min-grade,

avg(grade) as avg-grade.

FROM ENROLLMENTS;

Max-grade	min-grade	avg-grade
90	48	84.0

10. Count how many enrollments exist per course

→ Select course-id, count(\*) as enrollment-count

FROM ENROLLMENTS

GROUP BY course-id;

id	enrollment-count
101	1
102	1
103	1
104	1