

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;

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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	84.5

10. Count how many enrollments exist per course

→ Select course\_id, count(\*) as enrollment\_count  
From enrollments

Groupby course_id;	enrollment_count
101	1
102	1
103	1
104	1