NULL, INNER JOIN, LEFT JOIN, RIGHT JOIN, COALESCE, & CASE

SELECT name

FROM teacher

WHERE dept is null

Use a different JOIN so that all teachers and departments are listed.

Top of Form

SELECT teacher.name, dept.name

FROM teacher INNER JOIN dept

ON (teacher.dept=dept.id)

SELECT teacher.name, dept.name

FROM teacher LEFT JOIN dept

ON (teacher.dept=dept.id)

SELECT teacher.name, dept.name

FROM teacher RIGHT JOIN dept

ON (teacher.dept=dept.id)

Use COALESCE to print the mobile number. Use the number '07986 444 2266' if there is no number given. **Show teacher name and mobile number or '07986 444 2266'**

Top of Form

SELECT name,

COALESCE (mobile, '07986 444 2266') as "mobile number"

FROM teacher

Use the COALESCE function and a LEFT JOIN to print the teacher **name** and department name. Use the string 'None' where there is no department.

SELECT t.name, COALESCE (d.name, 'None') as dept

FROM teacher t

LEFT JOIN dept d

ON (t.dept = d.id)

ON (dept = d.id)Top of Form

Use COUNT to show the number of teachers and the number of mobile phones.

Top of Form

SELECT COUNT(name) as Name, COUNT(mobile) as Mobile

FROM teacher

Use COUNT and GROUP BY **dept.name** to show each department and the number of staff. Use a RIGHT JOIN to ensure that the Engineering department is listed.

Top of Form

SELECT d.name, COUNT(t.name) as Dept

FROM teacher t

RIGHT JOIN dept d

ON t.dept = d.id

GROUP BY d.name

Use CASE to show the **name** of each teacher followed by 'Sci' if the teacher is in **dept** 1 or 2 and 'Art' otherwise.

Top of Form

SELECT name,

CASE WHEN dept = 1 THEN 'Sci'

WHEN dept = 2 THEN 'Sci'

ELSE 'Art'

END

FROM teacher

Use CASE to show the name of each teacher followed by 'Sci' if the teacher is in dept 1 or 2, show 'Art' if the teacher's dept is 3 and 'None' otherwise.

Top of Form

SELECT name,

CASE WHEN dept = 1 THEN 'Sci'

WHEN dept = 2 THEN 'Sci'

WHEN dept = 3 THEN 'Art'

ELSE 'None'

END

FROM teacher