

SQL part 3. CASE expression. Eliminating duplicates. Set operators.

1. Assign labels to employees based on their salaries. For employees with salaries lower than 1 500 assign label “low paid”. Employees with salaries between 1 500 and 3 000 should be labelled as “average paid”. Employees with salaries greater than 3 000 should be labelled as “well paid”. Use CASE WHEN construction.

surname	salary	label
Bell	1850.00	average paid
Clark	2610.20	average paid
Edwards	1590.00	average paid
Green	1839.70	average paid
Jackson	900.00	low paid
Johnson	3230.00	well paid
Jones	3350.00	well paid
Lewis	1971.00	average paid
Smith	4730.00	well paid
White	2845.50	average paid
Williams	3070.00	well paid
Wilson	3960.00	well paid
Wood	900.00	low paid
Young	1889.00	average paid

2. Display identifiers of employees who are bosses of other employees.

boss_id
100
110
120
130
140

3. For each department list jobs (without duplicates) of employees the department hires. Skip jobs of employees without department.

dept_id	job
10	LECTURER
10	PRINCIPAL
20	ASSISTANT
20	LECTURER
20	PROFESSOR
20	SECRETARY
30	PHD STUDENT
30	PROFESSOR
40	PROFESSOR

4. Find the years when employees were hired. Skip duplicates.

years
1968
1973
1975
1977
1985

1992
1993
1994

5. Find departments with no employees. Show their identifiers. Use set operators.

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dept_id
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50
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6. Assign labels to employees based on their salaries. For employees with salaries lower than 1 500 assign label “low paid”. Employees with salaries between 1 500 and 3 000 should be labelled as “average paid”. Employees with salaries greater than 3 000 should be labelled as “well paid”. Use set operators (do not use CASE expression!).

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Bell	1850.00	average paid
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