

PROBLEM 1:

Write a query to get the list of employees whose name includes the letter “O” 2 times, but not contiguously, so if there was a name “JOHN DOE”, it should be returned, but a row with name “JIM BROOKS” should not.

EXPECTED OUTPUT:

ID	NAME	BIRTHDATE	PHONE	SALARY	DEPARTMENT_ID	HIRE_DATE	JOB_ID	EMAIL	BONUS
10	IGOR KEYS OSBOURNE	11-09-1987 00:00:00	144.898.7564	6000	3	14-11-2014 00:00:00	IT_PROG	IKEYS	(null)

PROBLEM 2:

Write a query to get the list of departments whose monthly budget is greater than 15000 and its name includes a “G” or starts with an “H”, sorted by the department id in descending order.

EXPECTED OUTPUT:

ID	NAME	MONTHLY_BUDGET	LAST_EMPLOYEE_ID
4	HUMAN RESOURCES	25000	13
3	INFORMATION TECHNOLOGY	30000	10
1	ACCOUNTING	20000	8

PROBLEM 3:

Write a query to list all employees of the Information Technology and Human Resources departments who earn 3000 or more but not more than 5000. Please include only employees who were born between 1970 and 1990.

EXPECTED OUTPUT:

ID	NAME	BIRTHDATE	PHONE	SALARY	DEPARTMENT_ID	HIRE_DATE	JOB_ID	EMAIL	BONUS
3	LUISA JACKSON	08-03-1970 00:00:00	1.345.678.9012	4500	3	29-08-2013 00:00:00	IT_PROG	LJACKSON	(null)
11	LUKE MINT	19-10-1985 00:00:00	1.123.456.7890	5000	4	08-01-2011 00:00:00	HR_REP	LMINT	(null)

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