Соломенников Николай 22204 Вариант 6

1. Вывести число работников с зарплатой более 10000 в тех отделах, где число работников более одного.

Поля: ID отдела; название отдела; число работников

Сортировка: ID отдела

SELECT

d.DEPARTMENT\_ID,

d.DEPARTMENT\_NAME,

COUNT(e.EMPLOYEE\_ID) AS NUM\_EMPLOYEES

FROM DEPARTMENTS d

JOIN EMPLOYEES e ON d.DEPARTMENT\_ID = e.DEPARTMENT\_ID

WHERE

e.SALARY > 10000

AND d.DEPARTMENT\_ID IN (

SELECT DEPARTMENT\_ID

FROM EMPLOYEES

GROUP BY DEPARTMENT\_ID

HAVING COUNT(EMPLOYEE\_ID) > 1

)

GROUP BY d.DEPARTMENT\_ID, d.DEPARTMENT\_NAME

ORDER BY d.DEPARTMENT\_ID;

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| **DEPARTMENT\_ID** | **DEPARTMENT\_NAME** | **NUM\_EMPLOYEES** |
| 20 | Marketing | 1 |
| 30 | Purchasing | 1 |
| 50 | Shipping | 2 |
| 60 | IT | 1 |
| 80 | Sales | 13 |
| 90 | Executive | 4 |
| 100 | Finance | 2 |
| 110 | Accounting | 1 |

2. Выбрать менеджеров из Америки, которые хотя бы раз меняли должность.

Поля: ID работника, число изменений должности

Сортировка: ID работника

SELECT

e.EMPLOYEE\_ID AS MANAGER\_ID,

COUNT(jh.JOB\_ID) AS JOB\_CHANGES\_COUNT

FROM EMPLOYEES e

JOIN DEPARTMENTS d ON e.DEPARTMENT\_ID = d.DEPARTMENT\_ID

JOIN LOCATIONS l ON d.LOCATION\_ID = l.LOCATION\_ID

JOIN COUNTRIES c ON l.COUNTRY\_ID = c.COUNTRY\_ID

JOIN REGIONS r ON c.REGION\_ID = r.REGION\_ID

JOIN JOB\_HISTORY jh ON e.EMPLOYEE\_ID = jh.EMPLOYEE\_ID

WHERE r.REGION\_NAME = 'Americas' -- Менеджеры из Америки

GROUP BY e.EMPLOYEE\_ID;

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| **MANAGER\_ID** | **JOB\_CHANGES\_COUNT** |
| 101 | 2 |
| 102 | 1 |
| 114 | 1 |
| 122 | 1 |
| 200 | 2 |
| 201 | 2 |
| 207 | 1 |

3. Определить год, в котором было трудоустроено больше всего менеджеров.

Поля: год трудоустройства

Сортировка: год трудоустройства

SELECT

EXTRACT(YEAR FROM HIRE\_DATE) AS HIRE\_YEAR,

COUNT(\*) AS MANAGER\_COUNT

FROM

EMPLOYEES

WHERE

EMPLOYEE\_ID IN (SELECT MANAGER\_ID FROM EMPLOYEES)

GROUP BY

EXTRACT(YEAR FROM HIRE\_DATE)

ORDER BY

MANAGER\_COUNT DESC;

|  |  |
| --- | --- |
| **HIRE\_YEAR** | **MANAGER\_COUNT** |
| 1997 | 4 |
| 1996 | 3 |
| 1994 | 3 |
| 1999 | 2 |
| 1987 | 1 |
| 2000 | 1 |
| 1989 | 1 |
| 1990 | 1 |
| 1995 | 1 |
| 1993 | 1 |