**Домашняя работа №20**

**Задания**

1. Покажите всех менеджеров, которые имеют в подчинении больше 6-ти сотрудников.

SELECT FIRST\_NAME, LAST\_NAME

FROM EMPLOYEES

WHERE EMPLOYEE\_ID IN

(

SELECT MANAGER\_ID, COUNT(EMPLOYEE\_ID) AS EMP\_NUMBER

FROM EMPLOYEES

HAVING COUNT(EMPLOYEE\_ID) > 6

) t

1. Вывести min и max зарплату с вычетом commission\_pct для каждого департамента. (commission\_pct на базе указывается в процентах).

SELECT D.DEPARTMENT\_NAME, MIN (SALARY\_CLEAR) OVER BY (PARTITION BY DEPARTMENT\_ID) AS MIN\_DEP\_ALARY, MAX (SALARY\_CLEAR) OVER BY (PARTITION BY DEPARTMENT\_ID) AS MAX\_DEP\_SALARY

FROM

(

SELECT DEPARTMENT\_ID, SALARY \* COMMISSION\_PCT AS SALARY\_CLEAR

FROM EMPLOYEE

) t

JOIN DEPARTMENTS D ON t. DEPARTMENT\_ID = D. DEPARTMENT\_ID

1. Вывести только регион, где работают больше всего людей.

SELECT TOP 1 REGIONS

FROM

(

SELECT R.REGIONS AS REGIONS, COUNT(E.EMPLOYEE\_ID) AS COUNT\_EMP

FROM EMPLOYEE E

LEFT JOIN DEPARTMENTS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID

LEFT JOIN LOCATIONS L ON D.DEPARTMENT\_ID = L.DEPARTMENT\_ID

LEFT JOIN REGIONS R = L.DEPARTMENT\_ID = R.DEPARTMENT\_ID

GROUP BY R.REGIONS

) t

ORDER BY DESC COUNT\_EMP

1. Найдите разницу в процентах между средней зп по каждому департаменту от общей средней (по всем департаментам).

SELECT DEPARTMENT\_ID, (AVG\_DEP\_SALARY/AVG\_SALARY\*100 – 100) AS DELTA\_AVG\_SALARY

FROM

(

SELECT DEPARTMENT\_ID, AVG(SALARY) OVER (PARTITION BY DEPARTMENT\_ID) AS AVG\_DEP\_SALARY, AVG(SALARY) AS AVG\_SALARY

FROM EMPLOYEES

GROUP BY DEPARTMENT\_ID

) t

1. Найдите людей, кто проработал больше, чем 10 лет в одном департаменте.

SELECT \*

FROM

(

SELECT E.FIRST\_NAME, E.LAST\_NAME, DIFFDATE(YEAR, JH.END\_DATE, JH.START-DATE) AS EXPERIENCE

FROM EMPLOYEE E

LEFT JOIN JOB\_HISTORY JH ON E.EMPLOYEE\_ID = JH.EMPLOYEE\_ID

) t

WHERE EXPERIENCE > 10

1. Найдите людей, кто занимает 5-10 место по размеру зарплаты.

SELECT \*

FROM

(

SELECT FIRST\_NAME, LAST\_NAME, DENSE\_RANK() OVER (ORDER BY SALARY) AS SALARY\_RANK

FROM EMPLOYEES

) t

WHERE SALARY\_RANK BETWEEN 5 AND 10

