**Отчет**

**Домашняя работа 18**

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

SELECT CONCAT (EMP\_M .FIRST\_NAME, EMP\_M .LAST\_NAME), COUNT(EMP\_E.EMPLOYEE\_ID) AS Count\_EMP

FROM EMPLOYESS EMP\_M JOIN EMPLOYESS EMP\_M

ON EMP\_M.MANAGER\_ID = EMP\_E.EMPLOYEE\_ID

GROUP BY CONCAT (EMP\_M .FIRST\_NAME, EMP\_M .LAST\_NAME)

HAVING COUNT(EMP\_E.EMPLOYEE\_ID) > 6

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

SELECT DEP.DEPARTMENT\_NAME, MIN(EMP.SALARY \* (1 – EMP.COMMISSION\_PCT/100)) AS MIN\_SALARY, MAX(EMP.SALARY \* (1 – EMP.COMMISSION\_PCT/100)) AS MAX\_SALARY

FROM DEPARTMENTS DEP JOIN EMPLOYEES EMP

ON DEP.DEPARTMENT\_ID = EMP.DEPARTMENT\_ID

GROUP BY DEP.DEPARTMENT\_NAME

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

SELECT TOP 1 R.REGIONS, COUNT(EMP.EMPLOYEE\_ID) AS COUNT\_EMP

FROM REGIONS R JOIN COUNTRIES C

ON C.COUNTRY\_ID = C.REGION\_ID

JOIN LOCATIONS LOC

ON LOC.COUNTRY\_ID = C.\_COUNTRY\_ID

JOIN DEPARTMENTS DEP

ON DEP.LOCATION\_ID = LOC.LOCATION\_ID

JOIN EMPLOEES EMP

ON EMP.DEPARTMENT\_ID = DEP.DEPARTMENT\_ID

GROUP BY R.REGIONS

ORDER BY COUNT(EMP.EMPLOYEE\_ID) DESC

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

SELECT DISTINCT DEP.DEPARTMENT\_NAME, AVG(DEP.SALARY) AS AVG\_DEP\_SALARY

AVG(EMP.SALARY) OVER (PARTITION BY DEP.DEPARTMENT\_NAME)

FROM DEPARTMENT DEP JOIN EMPLOYEES EMP

ON EMP.DEPARTMENT\_ID = DEP.DEPARTMENT\_ID

HAVING AVG(DEP.SALARY) / AVG(EMP.SALARY) OVER (PARTITION BY DEP.DEPARTMENT\_NAME) \* 100

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

SELECT CONCAT(EMP.FIRST\_NAME, EMP.LAST\_NAME), DATEDIFF(year, JH.START\_DATE, GETDATE()) AS YEAR\_EXP

FROM EMPLOEES EMP JOIN JOB\_HISTORY JH

ON JH.EMPLOYEE\_ID = EMP.EPLOYEE\_ID

WHERE DATEDIFF(year, JH.START\_DATE, GETDATE()) > 10 AND JH.EMPLOYEE\_ID = EMP.EPLOYEE\_ID

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

SELECT CONCAT(FIRST\_NAME, LAST\_NAME), DENSE\_RANK() OVER BY(PARTITION BY SALARY DSC)

FROM EMPLOYEES

