-- hw18

--task1)

SELECT FIRST\_NAME, LAST\_NAME

FROM EMPLOYEES

WHERE EMPLOYEES\_ID IN (

SELECT MANAGER\_ID

FROM

(

SELECT MANAGER\_ID, COUNT(1) AS CNT\_WORKERS

FROM EMPLOYEES

GROUP BY MANAGER\_ID

HAVING COUNT(1) > 6

) T )

--task2)

SELECT DEPARTMENT\_NAME,

MAX(SALARY\*(100-COMMISSION\_PCT)/100) AS MAX\_SALARY,

MIN(SALARY\*(100-COMMISSION\_PCT)/100) AS MIN\_SALARY

FROM EMPLOYEES E JOIN DEPARTMENTS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID

GROUP BY DEPARTMENT\_NAME

--task3)

SELECT REGION\_NAME

FROM

(

SELECT TOP 1 WITH TIES REGION\_NAME, COUNT(EMPLOYEE\_ID) AS CNT

FROM EMPLOYEES E JOIN DEPARTMENTS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID

JOIN LOCATIONS L ON L.LOCATION\_ID = D.LOCATION\_ID

JOIN COUNTRIES C ON C.COUNTRY\_ID = L.COUNTRY\_ID

JOIN REGIONS R ON R.REGION\_ID = C.REGION\_ID

GROUP BY REGION\_NAME

ORDER BY CNT DESC

) T

--task4)

SELECT DEPARTMENT\_NAME, (1 - AVG(SALARY) / (SELECT AVG(SALARY) FROM EMPLOYEES))\*100 AS AVG\_PRC

FROM EMPLOYEES E JOIN DEPARTMENTS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID

GROUP BY DEPARTMENT\_NAME

--task5)

SELECT FIRST\_NAME, LAST\_NAME

FROM JOB\_HISTORY J JOIN EMPLOYEES E ON J.EMPLOYEES\_ID = E.EMPLOYEES\_ID

WHERE DATEDIFF(YEAR, START\_DATE, END\_DATE) > 10

--task6)

SELECT FIRST\_NAME, LAST\_NAME

FROM

(

SELECT FIRST\_NAME, LAST\_NAME, RANK() OVER(ORDER BY SALARY DESC) AS RNK

FROM EMPLOYEES

) T

WHERE RNK BETWEEN 5 AND 10