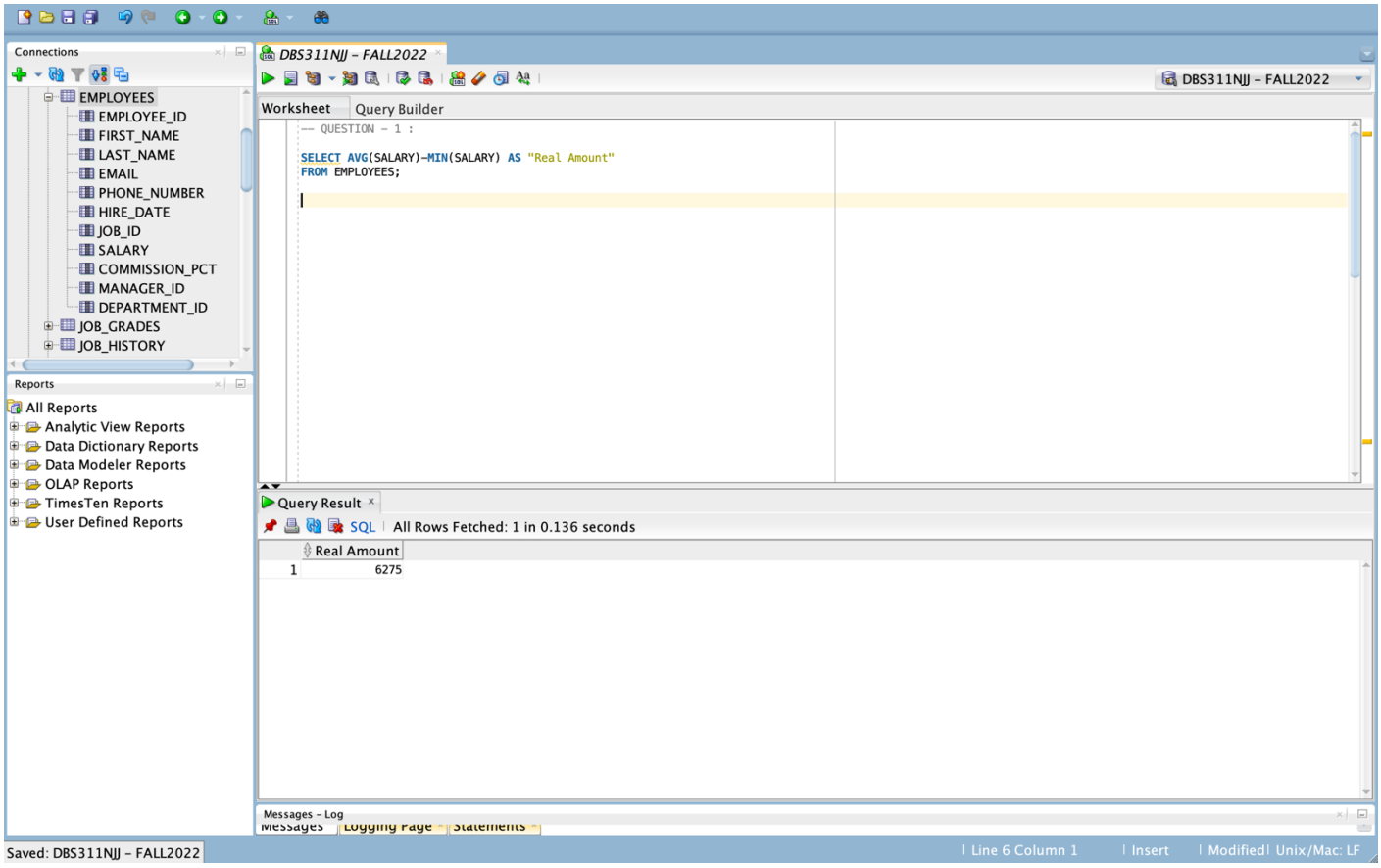
Lab 3

Please remember to upload the correct file before submitting - you only get one chance to submit. The Lab 3 submission link will not be available after deadline in the Assignments section.

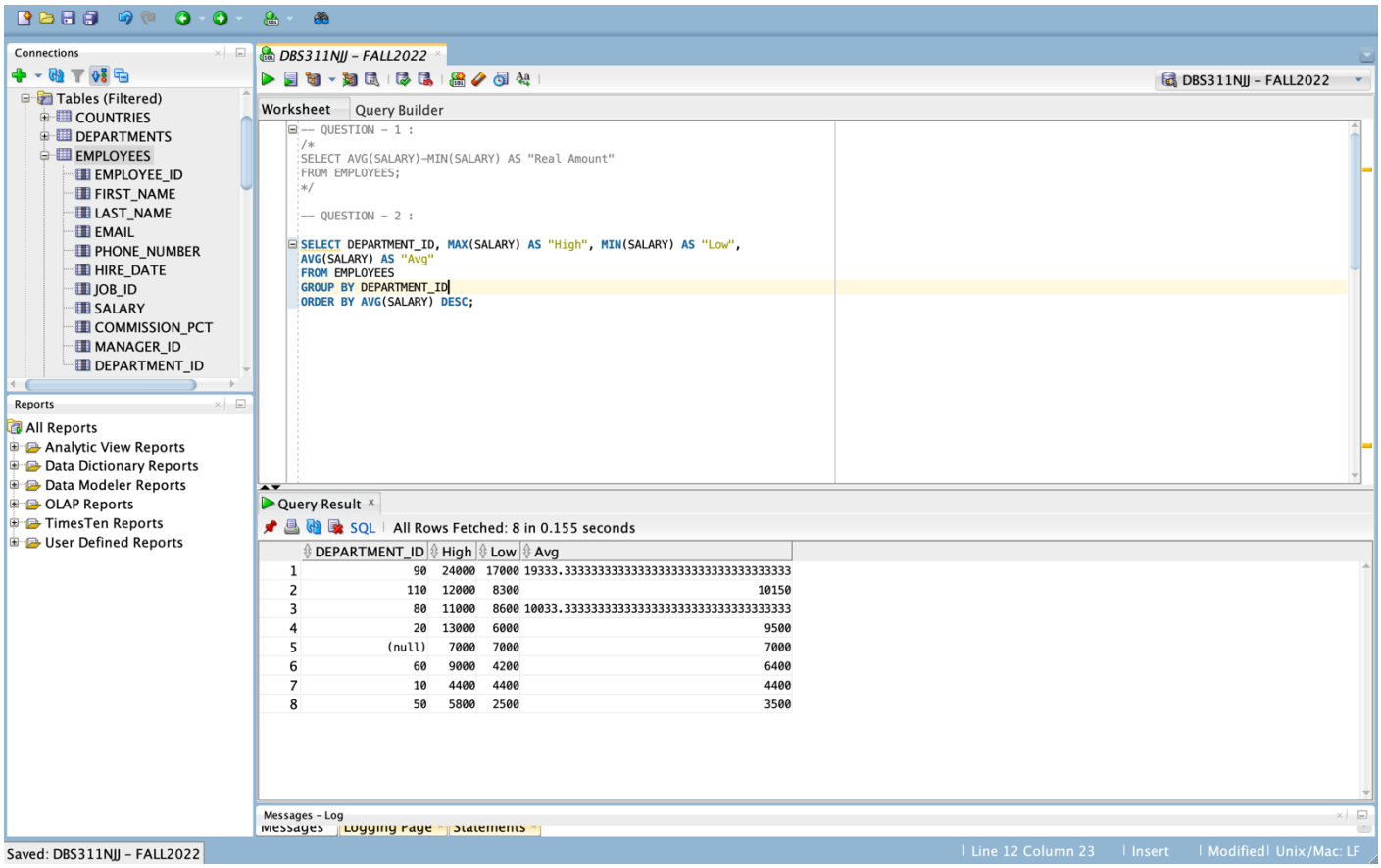
Allow enough time to upload or deal with unexpected issues. Do not wait for the last moment since there are transmission time/queuing delay/processing time etc. from your machine to the blackboard server.

Late penalty is 100%.

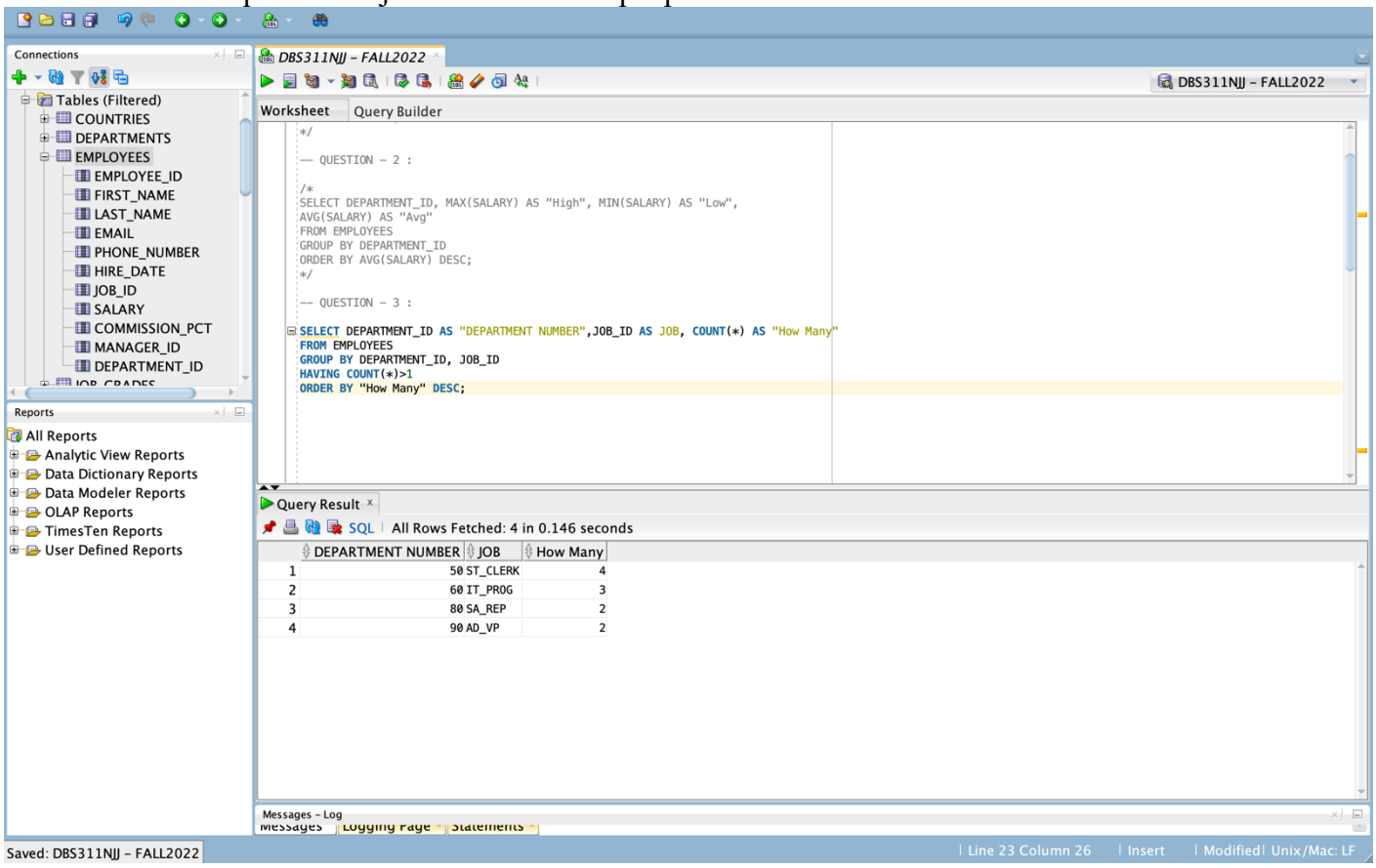
1. Display the difference between the Average pay and Lowest pay in the company among employees. Name this result *Real Amount*.



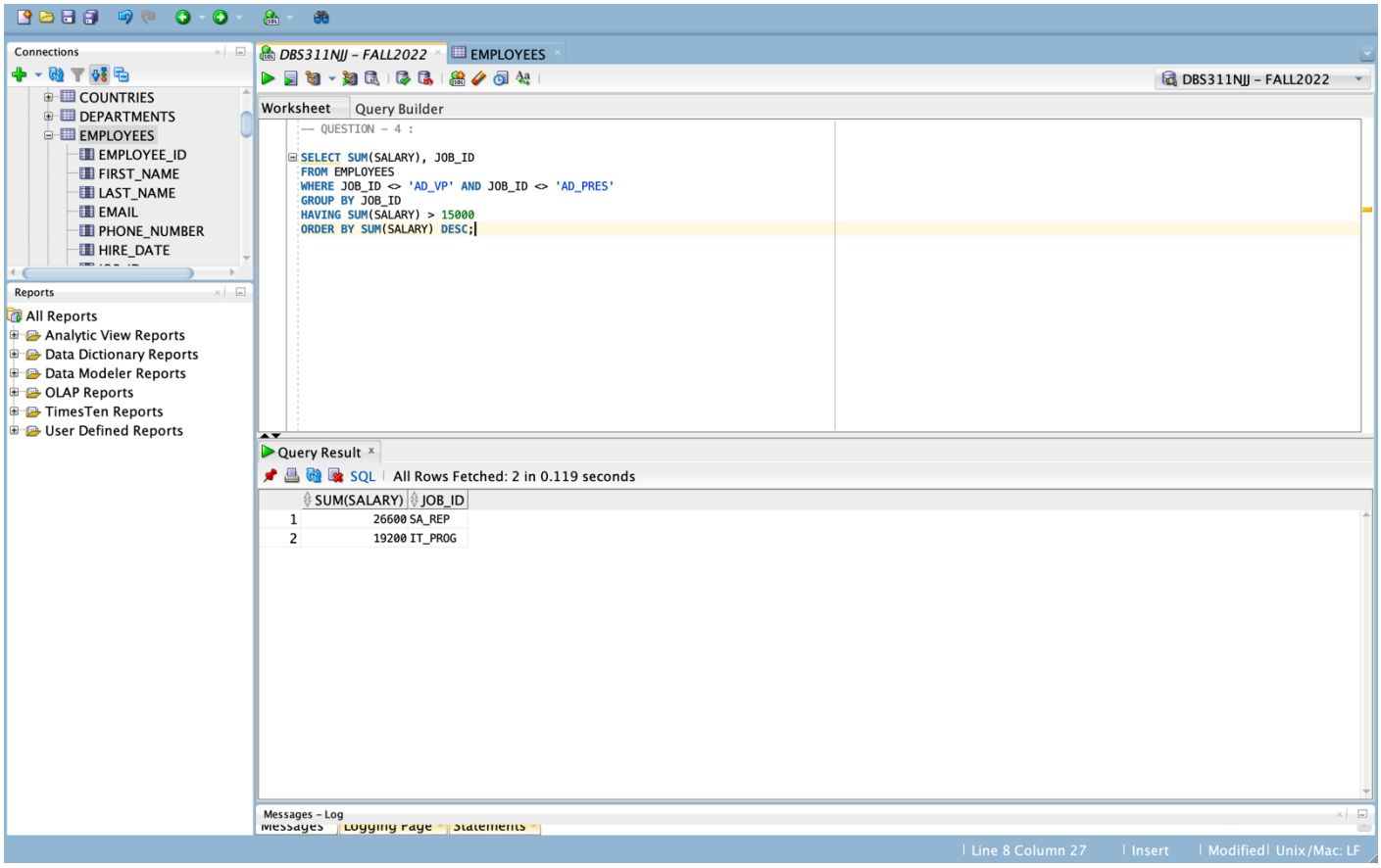
2. Display the department number and Highest, Lowest and Average pay per each department. Name these results *High, Low* and *Avg.*
   Sort the output so that department with highest average salary are shown first.



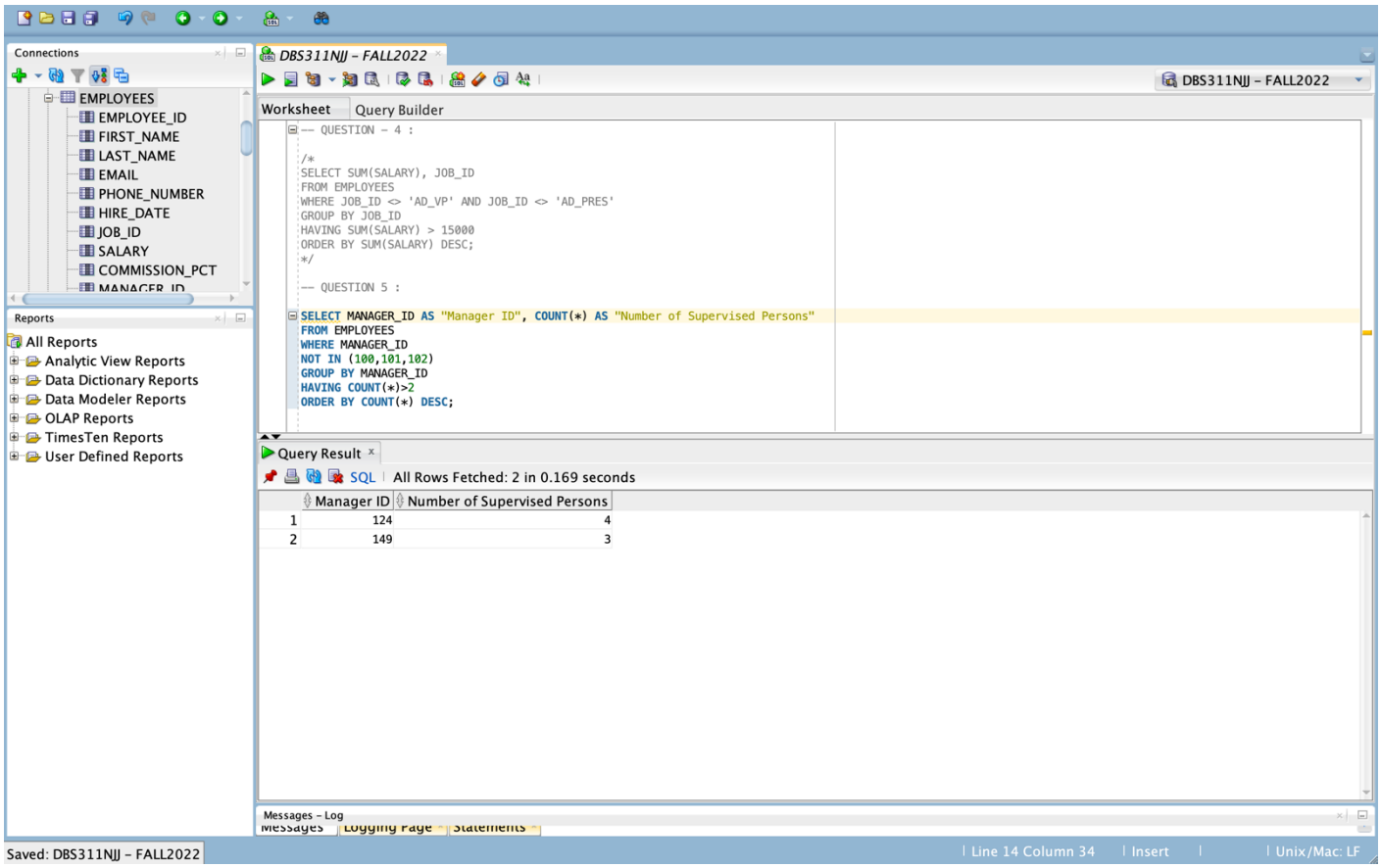
3. Display how many people work the same job in the same department. Name these results *Dept#, Job* and *HowMany*. Include only jobs that involve more than one person.
Sort the output so that jobs with the most people involved are shown first.



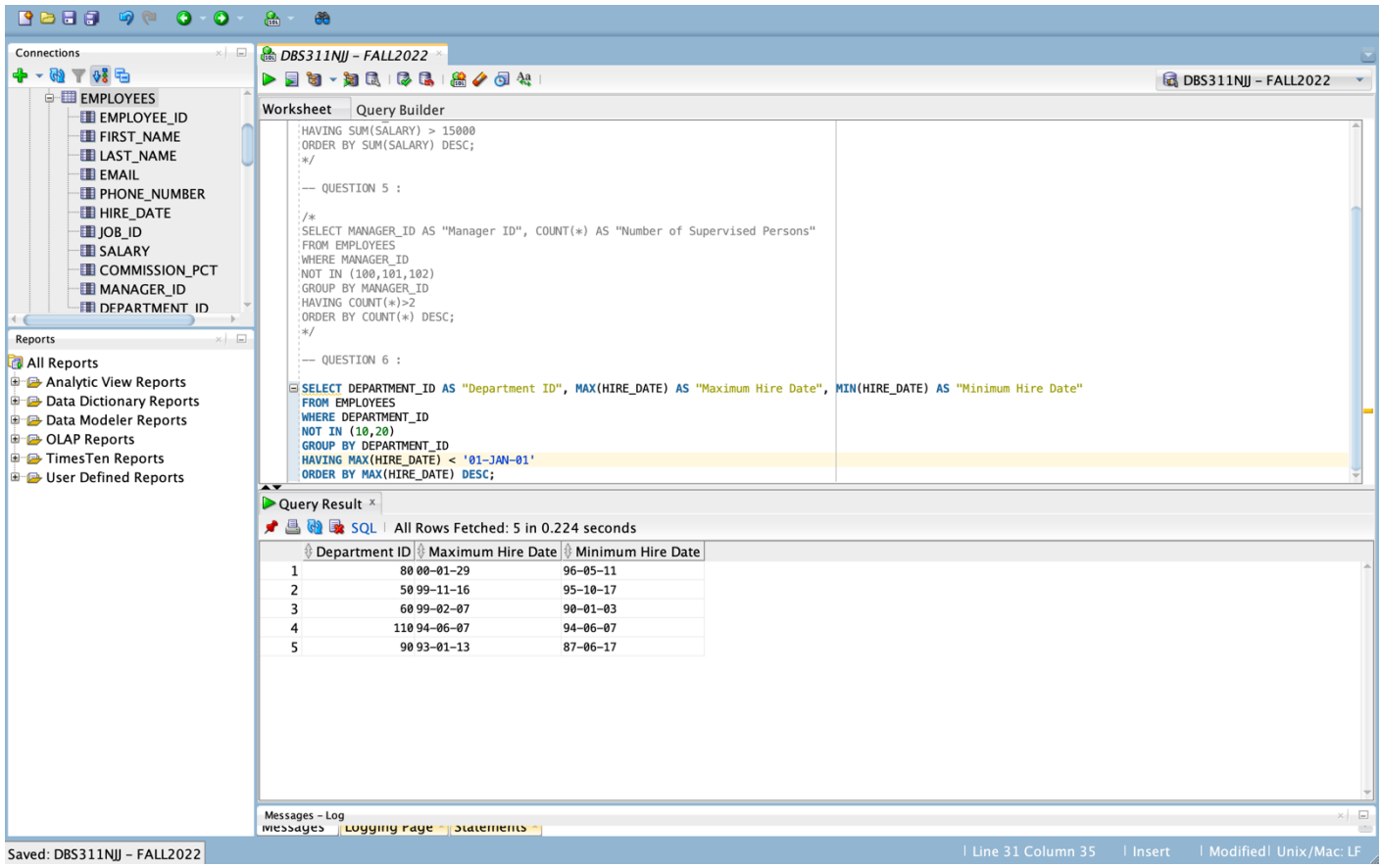
4. For each job id display the job id and total amount paid each month for this type of the job. Exclude job_id *AD_PRES* and *AD_VP* and also include only jobs that require more than $15,000 in total. Sort the output so that top paid jobs are shown first.



5. For each manager number display how many persons he / she supervises. Exclude managers with numbers 100, 101 and 102 and also include only those managers that supervise more than 2 persons. Sort the output so that manager numbers with the most supervised persons are shown first.



6. For each department show the latest and earliest hire date, but exclude departments 10 and 20 and also exclude those departments where the last person was hired in this century. Sort the output so that most recent latest hire dates are shown first.


Connections
EMPLOYEES
EMPLOYEE_ID
FIRST_NAME
LAST_NAME
EMAIL
PHONE_NUMBER
HIRE_DATE
JOB_ID
SALARY
COMMISSION_PCT
MANAGER_ID
DEPARTMENT_ID
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
DBS311NJJ - FALL2022
Worksheet
Query Builder
HAVING SUM(SALARY) > 15000
ORDER BY SUM(SALARY) DESC;
*/
-- QUESTION 5 :
/*
SELECT MANAGER_ID AS "Manager ID", COUNT(*) AS "Number of Supervised Persons"
FROM EMPLOYEES
WHERE MANAGER_ID
NOT IN (100,101,102)
GROUP BY MANAGER_ID
HAVING COUNT(*)>2
ORDER BY COUNT(*) DESC;
*/
-- QUESTION 6 :
SELECT DEPARTMENT_ID AS "Department ID", MAX(HIRE_DATE) AS "Maximum Hire Date", MIN(HIRE_DATE) AS "Minimum Hire Date"
FROM EMPLOYEES
WHERE DEPARTMENT_ID
NOT IN (10,20)
GROUP BY DEPARTMENT_ID
HAVING MAX(HIRE_DATE) < '01-JAN-01'
ORDER BY MAX(HIRE_DATE) DESC;
Query Result
SQL
All Rows Fetched: 5 in 0.224 seconds
Department ID
Maximum Hire Date
Minimum Hire Date
1 80 00-01-29 96-05-11
2 50 99-11-16 95-10-17
3 60 99-02-07 90-01-03
4 110 94-06-07 94-06-07
5 90 93-01-13 87-06-17
Messages - Log
Saved: DBS311NJJ - FALL2022
Line 31 Column 35
Insert
Modified
Unix/Mac: LF