SQL> SHOW user

USER is "SCOTT"

SQL> set pagesize 400;

SQL> set linesize 400;

SQL> -- DISPLAY ALL THE TUPLES FROM SCOTT.EMPLOYEE TABLE

SQL> SELECT \*

2 FROM EMP;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

14 rows selected.

SQL> -- DISPLAY ALL THE TUPLES FROM DEPARTMENT TABLE

SQL> SELECT \*

2 FROM DEPT;

DEPTNO DNAME LOC

---------- -------------- -------------

10 ACCOUNTING NEW YORK

20 RESEARCH DALLAS

30 SALES CHICAGO

40 OPERATIONS BOSTON

SQL> COMMIT;

Commit complete.

SQL> DESC EMP;

Name Null? Type

----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------- -------- ------------------------------------------------------------------------------------------------------------------------------------------------------------

EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(10)

JOB VARCHAR2(9)

MGR NUMBER(4)

HIREDATE DATE

SAL NUMBER(7,2)

COMM NUMBER(7,2)

DEPTNO NUMBER(2)

SQL> DESC DEPT;

Name Null? Type

----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------- -------- ------------------------------------------------------------------------------------------------------------------------------------------------------------

DEPTNO NOT NULL NUMBER(2)

DNAME VARCHAR2(14)

LOC VARCHAR2(13)

SQL> -- 1) Count the number of jobs in the organization.

SQL> SELECT COUNT( DISTINCT JOB)

2 FROM EMP

3 ;

COUNT(DISTINCTJOB)

------------------

5

SQL> -- 2) Count the number of department in the organization.

SQL> SELECT COUNT( DEPTNO)

2 FROM DEPT

3 ;

COUNT(DEPTNO)

-------------

4

SQL> -- 3) Count the number of employees whose commission is null.

SQL> SELECT COUNT(DISTINCT EMPNO)

2 FROM EMP

3 WHERE COMM IS NULL

4 ;

COUNT(DISTINCTEMPNO)

--------------------

10

SQL> -- 4) Count the number of employees whose commission is not null.

SQL> SELECT COUNT(DISTINCT EMPNO)

2 FROM EMP

3 WHERE COMM IS NOT NULL

4 ;

COUNT(DISTINCTEMPNO)

--------------------

4

SQL> -- 5) Find the names of employees whose names begin with letter J.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE ENAME LIKE 'J%'

4 ;

ENAME

----------

JONES

JAMES

SQL> -- 6) Count the number of employees in each department.

SQL> SELECT D.DNAME AS DEPARTMENT\_NAME , COUNT( E.EMPNO ) AS NO\_OF\_EMPLOYEE

2 FROM DEPT D JOIN EMP E

3 ON D.DEPTNO = E.DEPTNO

4 ;

SELECT D.DNAME AS DEPARTMENT\_NAME , COUNT( E.EMPNO ) AS NO\_OF\_EMPLOYEE

\*

ERROR at line 1:

ORA-00937: not a single-group group function

SQL> SELECT D.DNAME AS DEPARTMENT\_NAME , COUNT( E.EMPNO ) AS NO\_OF\_EMPLOYEE

2 FROM DEPT D JOIN EMP E

3 ON D.DEPTNO = E.DEPTNO

4 GROUP BY D.DNAME

5 ;

DEPARTMENT\_NAM NO\_OF\_EMPLOYEE

-------------- --------------

ACCOUNTING 3

RESEARCH 5

SALES 6

SQL> -- THE ABOVE ERROR OCCURRED BEACUSE I HAVE NOT USED THE GROUP BY CLAUSE

SQL> ------------------------------------------------------------------------

SQL> -- 7) List the unique jobs in emp table.

SQL> SELECT DISTINCT JOB

2 FROM EMP

3 ;

JOB

---------

CLERK

SALESMAN

PRESIDENT

MANAGER

ANALYST

SQL> -- 8) List the president in emp table.

SQL> SELECT \*

2 FROM EMP

3 WHERE JOB = 'PRESIDENT'

4 ;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7839 KING PRESIDENT 17-NOV-81 5000 10

SQL> -- 9) Find min and max salary in organization.

SQL> SELECT MIN(SAL) AS MINIMUN\_SALARY , MAX(SAL) AS MAXIMUM\_SALARY

2 FROM EMP

3 ;

MINIMUN\_SALARY MAXIMUM\_SALARY

-------------- --------------

800 5000

SQL> -- 10) Find the average salary in organization.

SQL> SELECT AVG(SAL) AS AVERAGE\_SALARY

2 FROM EMP

3 ;

AVERAGE\_SALARY

--------------

2073.21429

SQL> -- 11) Count the number of employees in each job.

SQL> SELECT JOB , COUNT(DISTINCT EMPNO) AS NO\_OF\_EMPLOYEE

2 FROM EMP

3 GROUP BY JOB

4 ;

JOB NO\_OF\_EMPLOYEE

--------- --------------

CLERK 4

SALESMAN 4

PRESIDENT 1

MANAGER 3

ANALYST 2

SQL> -- 12) Find min, max,avg and total salary in each job.

SQL> SELECT JOB , MIN(SAL) AS MINIMUM\_SALARY , MAX(SAL) AS MAXIMUM\_SALARY , AVG(SAL) AS AVERAGE\_SALARY , SUM(SAL) AS TOTAL\_SALARY

2 FROM EMP

3 GROUP BY JOB

4 ;

JOB MINIMUM\_SALARY MAXIMUM\_SALARY AVERAGE\_SALARY TOTAL\_SALARY

--------- -------------- -------------- -------------- ------------

CLERK 800 1300 1037.5 4150

SALESMAN 1250 1600 1400 5600

PRESIDENT 5000 5000 5000 5000

MANAGER 2450 2975 2758.33333 8275

ANALYST 3000 3000 3000 6000

SQL> -- 13) Find min, max,avg and total salary in each department.

SQL> SELECT DNAME AS DEPARTMENT\_NAME , MIN(SAL) AS MINIMUM\_SALARY , MAX(SAL) AS MAXIMUM\_SALARY , AVG(SAL) AS AVERAGE\_SALARY , SUM(SAL) AS TOTAL\_SALARY

2 FROM EMP JOIN DEPT

3 ON EMP.DEPTNO = DEPT.DEPTNO

4 GROUP BY DNAME

5 ;

DEPARTMENT\_NAM MINIMUM\_SALARY MAXIMUM\_SALARY AVERAGE\_SALARY TOTAL\_SALARY

-------------- -------------- -------------- -------------- ------------

ACCOUNTING 1300 5000 2916.66667 8750

RESEARCH 800 3000 2175 10875

SALES 950 2850 1566.66667 9400

SQL> COMMIT;

Commit complete.

SQL> spool c:\JATIN\_39\TA-1 append

SQL> COMMIT;

Commit complete.

SQL> -- 14) Find the names of those employees who are working in department number is 20 and their job is either clerk or salesman

SQL> SELECT ENAME

2 FROM EMP

3 WHERE DEPTNO = 20

4 AND JOB IN ('CLERK' , 'SALESMAN')

5 ;

ENAME

----------

SMITH

ADAMS

SQL> -- 15) Find the max salary in organization.

SQL> SELECT MAX(SAL) AS MAXIMUN\_SALARY

2 FROM EMP

3 ;

MAXIMUN\_SALARY

--------------

5000

SQL> -- 16) Find the names of those employees whose commission is highest.

SQL> -- RUNNING SUBQUERY

SQL> SELECT MAX(COMM)

2 FROM EMP

3 ;

MAX(COMM)

----------

1400

SQL> SELECT ENAME , COMM

2 FROM EMP

3 WHERE COMM = (SELECT MAX(COMM)

4 FROM EMP

5 );

ENAME COMM

---------- ----------

MARTIN 1400

SQL> -- 17) Find the names of those employees whose commission is null.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE COMM IS NULL

4 ;

ENAME

----------

SMITH

JONES

BLAKE

CLARK

SCOTT

KING

ADAMS

JAMES

FORD

MILLER

10 rows selected.

SQL> -- 18) Find the names of employees whose job is either clerk or salesman or manager.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE JOB IN ('CLERK' , 'SALESMAN' ,'MANAGER')

4 ;

ENAME

----------

SMITH

ALLEN

WARD

JONES

MARTIN

BLAKE

CLARK

TURNER

ADAMS

JAMES

MILLER

11 rows selected.

SQL> -- 19) Find the names of employees whose joining date is between 17-DEC-80 and 23-MAY-87.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE HIREDATE BETWEEN '17-DEC-80' AND '23-MAY-87'

4 ;

ENAME

----------

SMITH

ALLEN

WARD

JONES

MARTIN

BLAKE

CLARK

SCOTT

KING

TURNER

ADAMS

JAMES

FORD

MILLER

14 rows selected.

SQL> -- ANOTHER WAY TO SOLVE THE QUERY

SQL> SELECT ENAME, HIREDATE

2 FROM EMP

3 WHERE HIREDATE >= '17-DEC-80'

4 AND HIREDATE <= '23-MAY-87'

5 ;

ENAME HIREDATE

---------- ---------

SMITH 17-DEC-80

ALLEN 20-FEB-81

WARD 22-FEB-81

JONES 02-APR-81

MARTIN 28-SEP-81

BLAKE 01-MAY-81

CLARK 09-JUN-81

SCOTT 19-APR-87

KING 17-NOV-81

TURNER 08-SEP-81

ADAMS 23-MAY-87

JAMES 03-DEC-81

FORD 03-DEC-81

MILLER 23-JAN-82

14 rows selected.

SQL> -- 20) Find the names of those employees whose second character in the name is A.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE ENAME LIKE '\_A%'

4 ;

ENAME

----------

WARD

MARTIN

JAMES

SQL> -- 21) Find the names of employees who are working as clerks.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE JOB = 'CLERK'

4 ;

ENAME

----------

SMITH

ADAMS

JAMES

MILLER

SQL> -- 22) Find the names of employee who are working under BLAKE.

SQL> -- SUBQUERY

SQL> SELECT EMPNO

2 FROM EMP

3 WHERE ENAME = 'BLAKE'

4 ;

EMPNO

----------

7698

SQL> SELECT ENAME

2 FROM EMP

3 WHERE MGR = (SELECT EMPNO

4 FROM EMP

5 WHERE ENAME = 'BLAKE'

6 );

ENAME

----------

ALLEN

WARD

MARTIN

TURNER

JAMES

SQL> -- ANOTHER WAY TO SOLVE QUERY (TUPLE VARIABLE METHOD & SELF JOIN)

SQL> SELECT E.ENAME

2 FROM EMP E

3 JOIN EMP M

4 ON E.MGR = M.EMPNO

5 AND M.ENAME = 'BLAKE'

6 ;

ENAME

----------

TURNER

ALLEN

WARD

JAMES

MARTIN

SQL> -- 23) Find the names of employee who are working in research department.

SQL> SELECT ENAME

2 FROM EMP JOIN

3 DEPT ON EMP.DEPTNO = DEPT.DEPTNO

4 AND DNAME = 'RESEARCH'

5 ;

ENAME

----------

JONES

FORD

ADAMS

SMITH

SCOTT

SQL> -- 24) Find the name of employee who is getting highest salary.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE SAL = (SELECT MAX(SAL)

4 FROM EMP

5 );

ENAME

----------

KING

Commit complete.

SQL> SPOOL OFF;

SQL> SET PAGESIZE 400;

SQL> SET LINESIZE 400;

SQL> CONN

Enter user-name: scott

Connected.

SQL> spool c:\JATIN\_39\TA-1 APPEND

SQL> SET PAGESIZE 400;

SQL> SET LINESIZE 400;

SQL> COMMIT;

Commit complete.

SQL> SET PAGESIZE 400;

SQL> SET LINESIZE 400;

SQL> SELECT \*

2 FROM EMP

3 ;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

14 rows selected.

SQL> SELECT \*

2 FROM DEPT

3 ;

DEPTNO DNAME LOC

---------- -------------- -------------

10 ACCOUNTING NEW YORK

20 RESEARCH DALLAS

30 SALES CHICAGO

40 OPERATIONS BOSTON

SQL> COMMIT;

Commit complete.

SQL> -- 25) Display the name of employee earning second highest salary.

SQL> -- SUBQUERY

SQL> SELECT ( COUNT (DISTINCT SAL ) )

2 FROM EMP

3 ;

(COUNT(DISTINCTSAL))

--------------------

12

SQL> SELECT ENAME , SAL

2 FROM EMP E1

3 WHERE 2 - 1 = ( SELECT COUNT(DISTINCT SAL)

4 FROM EMP E2

5 WHERE E2.SAL > E1.SAL

6 )

7 ;

ENAME SAL

---------- ----------

SCOTT 3000

FORD 3000

SQL> -- ANOTHER WAY TO SOLVE THE QUERY

SQL> SELECT ENAME , SAL

2 FROM EMP

3 WHERE SAL = ( SELECT MAX(SAL)

4 FROM EMP

5 WHERE SAL < ( SELECT MAX(SAL)

6 FROM EMP

7 ))

8 ;

ENAME SAL

---------- ----------

SCOTT 3000

FORD 3000

SQL> -- 26) Find second highest salary in the organization.

SQL> SELECT SAL

2 FROM EMP E1

3 WHERE 2 - 1 = ( SELECT COUNT(DISTINCT SAL)

4 FROM EMP E2

5 WHERE E2.SAL > E1.SAL

6 )

7 ;

SAL

----------

3000

3000

SQL> SELECT DISTINCT SAL AS SECOND\_LARGEST\_SALARY

2 FROM EMP E1

3 WHERE 2-1 = ( SELECT COUNT ( DISTINCT SAL )

4 FROM EMP E2

5 WHERE E2.SAL > E1.SAL

6 )

7 ;

SECOND\_LARGEST\_SALARY

----------------------

3000

SQL> SELECT MAX(SAL) AS SECOND\_LARGEST\_SALARY

2 FROM EMP

3 WHERE SAL < ( SELECT MAX(SAL)

4 FROM EMP

5 )

6 ;

SECOND\_LARGEST\_SALARY

---------------------

3000

SQL> -- 27) Find the package of each employee.

SQL> SELECT ENAME , SAL , COMM , SAL + IFNULL(COMM , 0 ) AS TOTAL\_PACKAGE

2 FROM EMP

3 GROUP BY ENAME

4 ;

SELECT ENAME , SAL , COMM . SAL + IFNULL(COMM , 0 ) AS TOTAL\_PACKAGE

\*

ERROR at line 1:

ORA-00904: "IFNULL": invalid identifier

SQL> SELECT ENAME , SAL , COMM , SAL + NVL(COMM , 0 ) AS TOTAL\_PACKAGE

2 FROM EMP

3 ;

SELECT ENAME , SAL , COMM , SAL + NVL(COMM , 0 ) AS TOTAL\_PACKAGE

SQL> SELECT ENAME , SAL , COMM , SAL + NVL(COMM , 0 ) AS TOTAL\_PACKAGE

2 FROM EMP

3 ;

ENAME SAL COMM TOTAL\_PACKAGE

---------- ---------- ---------- -------------

SMITH 800 800

ALLEN 1600 300 1900

WARD 1250 500 1750

JONES 2975 2975

MARTIN 1250 1400 2650

BLAKE 2850 2850

CLARK 2450 2450

SCOTT 3000 3000

KING 5000 5000

TURNER 1500 0 1500

ADAMS 1100 1100

JAMES 950 950

FORD 3000 3000

MILLER 1300 1300

14 rows selected.

SQL> -- NVL IS NULL VALUE LOGIC USED TO DEAL WITH NULL VALUES

SQL> -- 28) Find the names of employees whose salary is more than avg salary in department 20.

SQL> SELECT ENAME

2 FROM EMP

3 WHERE SAL > ( SELECT AVG(SAL)

4 FROM EMP

5 WHERE DEPTNO = 20

6 )

7 ;

ENAME

----------

JONES

BLAKE

CLARK

SCOTT

KING

FORD

6 rows selected.

SQL> COMMIT;

Commit complete.

SQL> spool c:\JATIN\_39\TA-1 append;

SQL> COMMIT;

Commit complete.

SQL> spool c:\JATIN\_39\TA-1 append;

SQL> -- 29) Find top five salaries in emp table.

SQL> SELECT SAL

2 FROM ( SELECT SAL

3 FROM EMP

4 ORDER BY SAL DESC

5 )

6 WHERE ROWNUM <=5

7 ORDER BY SAL

8 ;

SAL

----------

2850

2975

3000

3000

5000

SQL> -- ANOTHER WAY TO SOLVE THE QUERY

SQL> SELECT DISTINCT SAL

2 FROM ( SELECT DISTINCT SAL

3 FROM EMP

4 ORDER BY SAL DESC

5 )

6 WHERE ROWNUM <=5

7 ORDER BY SAL

8 ;

SAL

----------

2450

2850

2975

3000

5000

SQL> -- 30) Find bottom three salaries in emp table

SQL> SELECT DISTINCT SAL

2 FROM ( SELECT DISTINCT SAL

3 FROM EMP

4 ORDER BY SAL AESC

5

SQL> SELECT DISTINCT SAL

2 FROM ( SELECT DISTINCT SAL

3 FROM EMP

4 ORDER BY SAL

5 )

6 WHERE ROWNUM <= 3

7 ORDER BY SAL

8 ;

SAL

----------

800

950

1100

SQL> -- 31) Find the average salary at each department where deptno is less than 30.

SQL> SELECT DEPTNO , AVG(SAL) AS AVERAGE SALARY

2 FROM EMP

3 WHERE DEPTNO < 30

4 GROUP BY DEPTNO

5 ;

SELECT DEPTNO , AVG(SAL) AS AVERAGE SALARY

\*

ERROR at line 1:

ORA-00923: FROM keyword not found where expected

SQL> SELECT DEPTNO , AVG(SAL) AS AVERAGE\_SALARY

2 FROM EMP

3 WHERE DEPTNO < 30

4 GROUP BY DEPTNO

5 ;

DEPTNO AVERAGE\_SALARY

---------- --------------

20 2175

10 2916.66667

SQL> -- 32) Find 5 th largest salary in emp table.

SQL> SELECT DISTINCT SAL

2 FROM EMP E1

3 WHERE 5-1 = ( SELECT COUNT (DISTINCT SAL)

4 FROM EMP E2

5 WHERE E2.SAL > E1.SAL

6 )

7 ;

SAL

----------

2450

SQL> -- 33) Find the details of those employees whose sal is greater than the avg sal in emp table.

SQL> SELECT \*

2 FROM EMP

3 WHERE SAL > ( SELECT AVG(SAL)

4 FROM EMP

5 )

6 ;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7902 FORD ANALYST 7566 03-DEC-81 3000 20

6 rows selected.

SQL> -- 34) Find deptno, dname, min, max, avg and total salary in each department.

SQL> SELECT D.DEPTNO, D.DNAME,MIN(E.SAL) AS MIN\_SALARY, MAX(E.SAL) AS MAX\_SALARY,AVG(E.SAL) AS AVG\_SALARY,SUM(E.SAL) AS TOTAL\_SALARY

2 FROM DEPT D

3 JOIN EMP E ON D.DEPTNO = E.DEPTNO

4 GROUP BY D.DEPTNO, D.DNAME

5 ;

DEPTNO DNAME MIN\_SALARY MAX\_SALARY AVG\_SALARY TOTAL\_SALARY

---------- -------------- ---------- ---------- ---------- ------------

10 ACCOUNTING 1300 5000 2916.66667 8750

20 RESEARCH 800 3000 2175 10875

30 SALES 950 2850 1566.66667 9400

SQL> -- 35) Show the output for count function on empno, comm and \* .(Justify your answer)

SQL> SELECT COUNT(EMPNO)

2 FROM EMP

3 ;

COUNT(EMPNO)

------------

14

SQL> SELECT COUNT(\*)

2 FROM EMP

3 ;

COUNT(\*)

----------

14

SQL> -- BOTH THESE GAVE SAME OUTPUT BECAUSE COUNT(EMPNO) COUNT OF EMPNO , WHICH IS THE PRIMARY KEY OF THE TABLE , WHEREAS THE COUNT(\*) GIVES THE TOTAL NO OF TABLE PRESENT IN THE TABLE. WHICH IS SAME AND PRIMARY HAS NO NULL VALUES.

SQL> SELECT COUNT(COMM)

2 FROM EMP;

COUNT(COMM)

-----------

4

SQL> -- IT IS 4 BECAUSE COMM HAS 4 OUT OF 14 ROWS FILLED WITH NUMBER VALUES AND ALL OTHER ARE NULL WHICH IS IGNORED BY THE COUNT FUNCTION.

SQL> -- 36) Find the names of managers of each employee.(display Ename, Mangername)[use self-join]

SQL> COMMIT;

Commit complete.

SQL> COMMIT

2 ;

Commit complete.

SQL> spool c:\JATIN\_39\TA-1 append

SQL> -- 36) Find the names of managers of each employee.(display Ename, Mangername)[use self-join]

SQL> SELECT E.EANME AS EMPLOYEE\_NAME , M.ENAME AS MANAGER\_NAME

2 FROM EMP E

3 LEFT JOIN EMP M

4 ON E.MGR = M.EMPNO

5 ;

SELECT E.EANME AS EMPLOYEE\_NAME , M.ENAME AS MANAGER\_NAME

\*

ERROR at line 1:

ORA-00904: "E"."EANME": invalid identifier

SQL> SELECT E.ENAME AS EMPLOYEE\_NAME , M.ENAME AS MANAGER\_NAME

2 FROM EMP E

3 LEFT JOIN EMP M

4 ON E.MGR = M.EMPNO

5 ;

EMPLOYEE\_N MANAGER\_NA

---------- ----------

FORD JONES

SCOTT JONES

JAMES BLAKE

TURNER BLAKE

MARTIN BLAKE

WARD BLAKE

ALLEN BLAKE

MILLER CLARK

ADAMS SCOTT

CLARK KING

BLAKE KING

JONES KING

SMITH FORD

KING

14 rows selected.

SQL> -- 37) Find the experience of each employee.

SQL> SELECT ENAME, HIREDATE, ROUND((TO\_DATE('31-DEC-2023', 'DD-MON-YYYY') - HIREDATE) / 365, 2) AS EXPERIENCE\_YEARS

2 FROM EMP

3 ;

ENAME HIREDATE EXPERIENCE\_YEARS

---------- --------- ----------------

SMITH 17-DEC-80 43.07

ALLEN 20-FEB-81 42.89

WARD 22-FEB-81 42.88

JONES 02-APR-81 42.78

MARTIN 28-SEP-81 42.28

BLAKE 01-MAY-81 42.7

CLARK 09-JUN-81 42.59

SCOTT 19-APR-87 36.73

KING 17-NOV-81 42.15

TURNER 08-SEP-81 42.34

ADAMS 23-MAY-87 36.63

JAMES 03-DEC-81 42.1

FORD 03-DEC-81 42.1

MILLER 23-JAN-82 41.96

14 rows selected.

SQL> -- 38) Find the name of junior most employee.

SQL> SELECT ENAME , HIREDATE

2 FROM EMP

3 WHERE HIREDATE = ( SELECT MAX(HIREDATE)

4 FROM EMP

5 )

6 ;

ENAME HIREDATE

---------- ---------

ADAMS 23-MAY-87

SQL> -- 39) Find the name of senior most employee.

SQL> SELECT ENAME , HIREDATE

2 FROM EMP

3 WHERE HIREDATE = ( SELECT MIN(HIREDATE)

4 FROM EMP

5 )

6 ;

ENAME HIREDATE

---------- ---------

SMITH 17-DEC-80

SQL> -- 40) Find the deptno with highest number of employees.

SQL> SELECT DEPTNO

2 FROM EMP

3 GROUP BY DEPTNO

4 HAVING COUNT(\*) = (SELECT MAX(COUNT (\*))

5 FROM EMP

6 GROUP BY DEPTNO

7 )

8 ;

DEPTNO

----------

30

SQL> spool off;