George Suarez
CSE 572

Lab 7

LAB07_1.sql

```
SELECT A.LAST_NAME, B.DEPARTMENT_ID, B.DEPARTMENT_NAME
FROM HR.EMPLOYEES A, HR.DEPARTMENTS B;
```

LAB07_2.sql

```
SELECT A.DEPARTMENT_ID, A.LOCATION_ID, B.JOB_ID
FROM HR.DEPARTMENTS A, HR.EMPLOYEES B
WHERE (A.DEPARTMENT_ID = '80');
```

LAB07_3.sql

```
SELECT A.LAST_NAME, B.DEPARTMENT_NAME, B.LOCATION_ID, C.CITY
FROM HR.EMPLOYEES A, HR.DEPARTMENTS B, HR.LOCATIONS C
WHERE B.LOCATION_ID = C.LOCATION_ID AND A.COMMISSION_PCT != 0;
```

LAB07_4.sql

```
SELECT A.LAST_NAME, A.DEPARTMENT_ID
FROM HR.EMPLOYEES A
WHERE A.LAST_NAME LIKE '_a%';
```

LAB07_5.sql

```
SELECT A.LAST_NAME, A.JOB_ID, A.DEPARTMENT_ID, B.DEPARTMENT_NAME
FROM HR.EMPLOYEES A, HR.DEPARTMENTS B, HR.LOCATIONS C
WHERE A.DEPARTMENT_ID = B.DEPARTMENT_ID AND C.CITY = 'Toronto';
```

LAB07_6.sql

```
SELECT A.LAST_NAME "Employee", A.EMPLOYEE_ID "Emp#", B.LAST_NAME
"Manager", B.MANAGER_ID "Mgr#"
FROM HR.EMPLOYEES A, HR.EMPLOYEES B
WHERE A.MANAGER_ID = B.EMPLOYEE_ID;
```

LAB07_7.sql

```
SELECT A.LAST_NAME "Employee", A.EMPLOYEE_ID "Emp#", B.LAST_NAME
"Manager", B.MANAGER_ID "Mgr#"
FROM HR.EMPLOYEES A, HR.EMPLOYEES B
WHERE A.MANAGER_ID = B.EMPLOYEE_ID(+)
ORDER BY A.EMPLOYEE_ID;
```

LAB07_8.sql

```
SELECT A.FIRST_NAME, A.LAST_NAME, A.JOB_ID, B.DEPARTMENT_NAME,
A.SALARY, C.GRADE_LEVEL
FROM HR.EMPLOYEES A JOIN HR.DEPARTMENTS B
ON(A.DEPARTMENT_ID = B.DEPARTMENT_ID)
JOIN HR.JOB_GRADES C
ON(A.SALARY BETWEEN C.LOWEST_SAL AND C.HIGHEST_SAL);
```

LAB07_9.sql

```
SELECT A.FIRST_NAME, A.LAST_NAME, A.HIRE_DATE
FROM HR.EMPLOYEES A JOIN HR.EMPLOYEES D
ON(D.LAST_NAME = 'Davies')
WHERE(A.HIRE_DATE > D.HIRE_DATE);
```

LAB07_10.sql

```
SELECT A.FIRST_NAME, A.LAST_NAME, A.HIRE_DATE
FROM HR.EMPLOYEES A JOIN HR.EMPLOYEES D
ON(D.LAST_NAME = 'Davies')
WHERE(A.HIRE_DATE > D.HIRE_DATE);
```

LAB07_11.sql

```
/* LAB07_11
Suarez, George
*/

CREATE OR REPLACE VIEW EMPLOYEES_VU AS
SELECT A.EMPLOYEE_ID, A.LAST_NAME, A.DEPARTMENT_ID
FROM HR.EMPLOYEES A;
```

LAB07_12.lst

```
SQL> REM LAB07_12
SQL> REM Suarez, George
SQL> RUN LAB07_11
  1  CREATE OR REPLACE VIEW EMPLOYEES_VU AS
  2  SELECT A.EMPLOYEE_ID, A.LAST_NAME, A.DEPARTMENT_ID
  3* FROM HR.EMPLOYEES A

View created.

SQL> SELECT * FROM EMPLOYEES_VU
  2  ;
PRESS RETURN TO CONTINUE
EMPLOYEE_ID LAST_NAME                  DEPARTMENT_ID
----------- -------------------------- -------------
        198 OConnell                              50
        199 Grant                                 50
        200 Whalen                                10
        201 Hartstein                             20
        202 Fay                                   20
        203 Mavris                                40
        204 Baer                                  70
        205 Higgins                              110
        206 Gietz                                110
        100 King                                  90
        101 Kochhar                               90
        102 De Haan                               90
        103 Hunold                                60
        104 Ernst                                 60
        105 Austin                                60
        106 Pataballa                             60
        107 Lorentz                               60
        108 Greenberg                            100
        109 Faviet                               100
        110 Chen                                 100
        111 Sciarra                              100
        112 Urman                                100
        113 Popp                                 100
        114 Raphaely                              30
        115 Khoo                                  30
        116 Baida                                 30
        117 Tobias                                30
PRESS RETURN TO CONTINUE
```

```
EMPLOYEE_ID LAST_NAME                 DEPARTMENT_ID
----------- ------------------------- -------------
        118 Himuro                               30
        119 Colmenares                           30
        120 Weiss                                50
        121 Fripp                                50
        122 Kaufling                             50
        123 Vollman                              50
        124 Mourgos                              50
        125 Nayer                                50
        126 Mikkilineni                          50
        127 Landry                               50
        128 Markle                               50
        129 Bissot                               50
        130 Atkinson                             50
        131 Marlow                               50
        132 Olson                                50
        133 Mallin                               50
        134 Rogers                               50
        135 Gee                                  50
        136 Philtanker                           50
        137 Ladwig                               50
        138 Stiles                               50
        139 Seo                                  50
        140 Patel                                50
        141 Rajs                                 50
        142 Davies                               50
        143 Matos                                50
        144 Vargas                               50
PRESS RETURN TO CONTINUE
EMPLOYEE_ID LAST_NAME                 DEPARTMENT_ID
----------- ------------------------- -------------
        145 Russell                              80
        146 Partners                             80
        147 Errazuriz                            80
        148 Cambrault                            80
        149 Zlotkey                              80
        150 Tucker                               80
        151 Bernstein                            80
        152 Hall                                 80
        153 Olsen                                80
        154 Cambrault                            80
        155 Tuvault                              80
        156 King                                 80
        157 Sully                                80
        158 McEwen                               80
```

```
            159 Smith                                           80
            160 Doran                                           80
            161 Sewall                                          80
            162 Vishney                                         80
            163 Greene                                          80
            164 Marvins                                         80
            165 Lee                                             80
            166 Ande                                            80
            167 Banda                                           80
            168 Ozer                                            80
            169 Bloom                                           80
            170 Fox                                             80
            171 Smith                                           80
PRESS RETURN TO CONTINUE
EMPLOYEE_ID LAST_NAME                      DEPARTMENT_ID
----------- ---------------------------- --------------
            172 Bates                                           80
            173 Kumar                                           80
            174 Abel                                            80
            175 Hutton                                          80
            176 Taylor                                          80
            177 Livingston                                      80
            178 Grant
            179 Johnson                                         80
            180 Taylor                                          50
            181 Fleaur                                          50
            182 Sullivan                                        50
            183 Geoni                                           50
            184 Sarchand                                        50
            185 Bull                                            50
            186 Dellinger                                       50
            187 Cabrio                                          50
            188 Chung                                           50
            189 Dilly                                           50
            190 Gates                                           50
            191 Perkins                                         50
            192 Bell                                            50
            193 Everett                                         50
            194 McCain                                          50
            195 Jones                                           50
            196 Walsh                                           50
            197 Feeney                                          50

107 rows selected.

SQL> SELECT VIEW_NAME, TEXT FROM USER_VIEWS;
```

```
PRESS RETURN TO CONTINUE
VIEW_NAME                        TEXT
------------------------------   -----------------------------------------
----------------------------------------------
EMPLOYEES_VU                     SELECT A.EMPLOYEE_ID, A.LAST_NAME,
A.DEPARTMENT_ID

                                 FROM HR.EMPLOYEES A


SQL> spool off
```

LAB07_13.sql

```
/* LAB07_13
Suarez, George
*/

CREATE OR REPLACE VIEW DEPT50 AS
SELECT A.EMPLOYEE_ID "EMPNO", A.LAST_NAME "EMPLOYEE", A.DEPARTMENT_ID
"DEPTNO"
FROM HR.EMPLOYEES A
WHERE DEPARTMENT_ID = 50
WITH CHECK OPTION CONSTRAINT emp_dept_50;
```

LAB07_14.lst

```
SQL> REM LAB07_12
SQL> REM Suarez, George
SQL> RUN LAB07_13.sql
  1  CREATE OR REPLACE VIEW DEPT50 AS
  2  SELECT A.EMPLOYEE_ID "EMPNO", A.LAST_NAME "EMPLOYEE",
A.DEPARTMENT_ID "DEPTNO"
  3  FROM HR.EMPLOYEES A
  4  WHERE DEPARTMENT_ID = 50
  5* WITH CHECK OPTION CONSTRAINT emp_dept_50

View created.

SQL> DESCRIBE DEPT50
 Name
Null?    Type
 -------------------------------------------------------------------------
--- -------- ----------------------------------------------------
 EMPNO
NOT NULL NUMBER(6)
```

```
 EMPLOYEE
NOT NULL VARCHAR2(25)
 DEPTNO
NUMBER(4)

SQL> SELECT * FROM DEPT50;
PRESS RETURN TO CONTINUE
     EMPNO EMPLOYEE                          DEPTNO
---------- ------------------------- ----------
       198 OConnell                          50
       199 Grant                             50
       120 Weiss                             50
       121 Fripp                             50
       122 Kaufling                          50
       123 Vollman                           50
       124 Mourgos                           50
       125 Nayer                             50
       126 Mikkilineni                       50
       127 Landry                            50
       128 Markle                            50
       129 Bissot                            50
       130 Atkinson                          50
       131 Marlow                            50
       132 Olson                             50
       133 Mallin                            50
       134 Rogers                            50
       135 Gee                               50
       136 Philtanker                        50
       137 Ladwig                            50
       138 Stiles                            50
       139 Seo                               50
       140 Patel                             50
       141 Rajs                              50
       142 Davies                            50
       143 Matos                             50
       144 Vargas                            50
PRESS RETURN TO CONTINUE
     EMPNO EMPLOYEE                          DEPTNO
---------- ------------------------- ----------
       180 Taylor                            50
       181 Fleaur                            50
       182 Sullivan                          50
       183 Geoni                             50
       184 Sarchand                          50
       185 Bull                              50
       186 Dellinger                         50
```

```
      187 Cabrio                              50
      188 Chung                               50
      189 Dilly                               50
      190 Gates                               50
      191 Perkins                             50
      192 Bell                                50
      193 Everett                             50
      194 McCain                              50
      195 Jones                               50
      196 Walsh                               50
      197 Feeney                              50


45 rows selected.

SQL> SELECT VIEW_NAME, TEXT FROM USER_VIEWS;
PRESS RETURN TO CONTINUE
VIEW_NAME                          TEXT
---------------------------- ---------------------------------------
--------------------------------------------
DEPT50                            SELECT A.EMPLOYEE_ID "EMPNO",
A.LAST_NAME "EMPLOYEE", A.DEPARTMENT_ID "DEPTNO"
                                  F


EMPLOYEES_VU                      SELECT A.EMPLOYEE_ID, A.LAST_NAME,
A.DEPARTMENT_ID
                                  FROM HR.EMPLOYEES A



SQL> UPDATE DEPT50
  2   SET DEPTNO = 80
  3   WHERE EMPLOYEE = 'Matos';
UPDATE DEPT50
       *
ERROR at line 1:
ORA-01031: insufficient privileges


SQL> spool off
```