**Lab 7 – CSE 572 – Jarrar, Yousef - 005845836**

**Lab07\_1**

SELECT last\_name, department\_id, department\_name

FROM hr.employees

JOIN hr.departments

USING (department\_id);

**Lab07\_2**

SELECT DISTINCT job\_id, location\_id

FROM hr.employees, hr.departments

WHERE hr.employees.department\_id = hr.departments.department\_id

AND hr.employees.department\_id = 80;

**Lab07\_3**

SELECT e.last\_name, d.department\_name, d.location\_id, l.city

FROM hr.employees e, hr.departments d, hr.locations l

WHERE e.department\_id = d.department\_id

AND

d.location\_id = l.location\_id

AND e.commission\_pct IS NOT NULL;

**Lab07\_4**

SELECT LAST\_NAME, DEPARTMENT\_NAME

FROM HR.EMPLOYEES, HR.DEPARTMENTS

WHERE HR.EMPLOYEES.DEPARTMENT\_ID = HR.DEPARTMENTS.DEPARTMENT\_ID

AND LAST\_NAME LIKE '%a%';

**Lab07\_5**

SELECT e.last\_name, e.job\_id, e.department\_id, d.department\_name

FROM hr.employees e JOIN hr.departments d

ON(e.department\_id = d.department\_id)

JOIN hr.locations l

ON(d.location\_id = l.location\_id)

WHERE LOWER(l.city) = 'toronto';

**Lab07\_6**

SELECT w.last\_name "Employee", w.employee\_id "EMP#",

m.last\_name "Manager", m.employee\_id "Mgr#"

FROM hr.employees w JOIN hr.employees m

ON(w.manager\_id = m.employee\_id);

**Lab07\_7**

SELECT w.last\_name "Employee", w.employee\_id "EMP#",

m.last\_name "Manager", m.employee\_id "Mgr#"

FROM hr.employees w

LEFT OUTER JOIN hr.employees m

ON(w.manager\_id = m.employee\_id);

**Lab07\_8**

DESC JOB\_GRADES

SELECT e.last\_name, e.job\_id, d.department\_name,

e.salary, j.grade\_level

FROM hr.employees e JOIN hr.departments d

ON(e.department\_id = d.department\_id)

JOIN hr.job\_grades j

ON(e.salary BETWEEN j.lowest\_sal AND j.highest\_sal);

**Lab07\_9**

SELECT e.last\_name, e.hire\_date

FROM hr.employees e JOIN hr.employees davies

ON(davies.last\_name = 'Davies')

WHERE davies.hire\_date < e.hire\_date;

**Lab07\_10**

SELECT w.last\_name "Employee", w.hire\_date "Emp Hired", m.last\_name

"Manager", m.hire\_date "MGR Hired"

FROM hr.employees w, hr.employees m

WHERE w.manager\_id = m.employee\_id

AND w.hire\_date < m.hire\_date;

**Lab07\_11**

/\* LAB07\_11

Jarrar, Yousef

\*/

CREATE OR REPLACE VIEW employees\_vu AS

SELECT employee\_id, last\_name employee, department\_id

FROM hr.employees;

**Lab07\_12.lst**

SQL> REM LAB07\_12

SQL> REM JARRAR, YOUSEF

SQL> RUN LAB07\_11

1 CREATE OR REPLACE VIEW employees\_vu AS

2 SELECT employee\_id, last\_name employee, department\_id

3\* FROM hr.employees

View created.

SQL> SELECT \* FROM employees\_vu;

PRESS RETURN TO CONTINUE

EMPLOYEE\_ID EMPLOYEE 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 EMPLOYEE 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 EMPLOYEE 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 EMPLOYEE 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

2 FROM user\_views;

PRESS RETURN TO CONTINUE

VIEW\_NAME TEXT

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

EMPLOYEES\_VU SELECT employee\_id, last\_name employee, department\_id

FROM hr.employees

SQL> SELECT employee, department\_id

2 FROM employees\_vu;

PRESS RETURN TO CONTINUE

EMPLOYEE DEPARTMENT\_ID

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

OConnell 50

Grant 50

Whalen 10

Hartstein 20

Fay 20

Mavris 40

Baer 70

Higgins 110

Gietz 110

King 90

Kochhar 90

De Haan 90

Hunold 60

Ernst 60

Austin 60

Pataballa 60

Lorentz 60

Greenberg 100

Faviet 100

Chen 100

Sciarra 100

Urman 100

Popp 100

Raphaely 30

Khoo 30

Baida 30

Tobias 30

PRESS RETURN TO CONTINUE

EMPLOYEE DEPARTMENT\_ID

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

Himuro 30

Colmenares 30

Weiss 50

Fripp 50

Kaufling 50

Vollman 50

Mourgos 50

Nayer 50

Mikkilineni 50

Landry 50

Markle 50

Bissot 50

Atkinson 50

Marlow 50

Olson 50

Mallin 50

Rogers 50

Gee 50

Philtanker 50

Ladwig 50

Stiles 50

Seo 50

Patel 50

Rajs 50

Davies 50

Matos 50

Vargas 50

PRESS RETURN TO CONTINUE

EMPLOYEE DEPARTMENT\_ID

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

Russell 80

Partners 80

Errazuriz 80

Cambrault 80

Zlotkey 80

Tucker 80

Bernstein 80

Hall 80

Olsen 80

Cambrault 80

Tuvault 80

King 80

Sully 80

McEwen 80

Smith 80

Doran 80

Sewall 80

Vishney 80

Greene 80

Marvins 80

Lee 80

Ande 80

Banda 80

Ozer 80

Bloom 80

Fox 80

Smith 80

PRESS RETURN TO CONTINUE

EMPLOYEE DEPARTMENT\_ID

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

Bates 80

Kumar 80

Abel 80

Hutton 80

Taylor 80

Livingston 80

Grant

Johnson 80

Taylor 50

Fleaur 50

Sullivan 50

Geoni 50

Sarchand 50

Bull 50

Dellinger 50

Cabrio 50

Chung 50

Dilly 50

Gates 50

Perkins 50

Bell 50

Everett 50

McCain 50

Jones 50

Walsh 50

Feeney 50

107 rows selected.

SQL> Spool off

**Lab07\_13**

/\* LAB07\_13

Jarrar, Yousef

\*/

CREATE VIEW dept50 AS

SELECT employee\_id empno, last\_name employee,

department\_id deptno

FROM hr.employees

WHERE department\_id = 50

WITH CHECK OPTION CONSTRAINT emp\_dept\_50;

**Lab07\_14.lst**

SQL> REM LAB07\_12

SQL> REM JARRAR, YOUSEF

SQL> run LAB07\_13

1 CREATE VIEW dept50 AS

2 SELECT employee\_id empno, last\_name employee,

3 department\_id deptno

4 FROM hr.employees

5 WHERE department\_id = 50

6\* WITH CHECK OPTION CONSTRAINT emp\_dept\_50

CREATE VIEW dept50 AS

\*

ERROR at line 1:

ORA-00955: name is already used by an existing object

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>

SQL> SELECT view\_name, text FROM user\_views;

PRESS RETURN TO CONTINUE

VIEW\_NAME TEXT

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

DEPT50 SELECT employee\_id empno, last\_name employee,

department\_id deptno

FROM hr.emplo

EMPLOYEES\_VU SELECT employee\_id, last\_name employee, department\_id

FROM hr.employees

SQL>

SQL> UPDATE dept50

2 SET deptno = 80

3 WHERE Employee = 'Matos';

UPDATE dept50

\*

ERROR at line 1:

ORA-01031: insufficient privileges

SQL> spool off