Concordia University

Dept. of Computer Science & Software Engineering

COMP 353 – Databases

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Assignment 4

Group 10:

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Question 1 :

a) SELECT *
   FROM employee
   WHERE employee.eid = works.eid GROUPBY works.eid HAVING COUNT (did)> 1

b) SELECT ename
   FROM employee, department, works
   WHERE employee.eid = works.eid and works.did != department.did and manager_id =
   works.eid and manager_id = employee.eid

c) SELECT eid
   FROM works
   WHERE did = '203' AND did = '302'

d) SELECT ename
   FROM employee, department, works
   WHERE ename NOT IN (SELECT ename FROM employee e, department d, works w WHERE
   e.eid = w.eid AND w.eid = manager_id AND ename = 'John Doe')

e) SELECT ename, age, salary, MAX(hours_per_week)
   FROM employee,works
   WHERE employee.eid = works.eid AND did = '101'

f) SELECT dept_name, SUM(salary), budget
   FROM department, works
   WHERE department.did = works.did

g) SELECT employee.eid, ename
   FROM employee, works
   WHERE employee.eid = works.eid AND employee.eid IN (SELECT works.eid FROM works
   WHERE works.did = ALL)

Question 2 :

2.1)
SELECT * FROM Patient q2 WHERE q2.city = ALL (SELECT city FROM Doctor WHERE
Works_in.did = Doctor.did AND Works_in.cid = Clinic.cid AND Patient.city = Clinic.city AND
Patient.city = q2.city;

2.2)
SELECT did FROM Doctor WHERE did NOT IN (SELECT cid, did FROM Works_in JOIN Clinic
ON Works_in.cid = Clinic.cid WHERE cname = 'Victoria' AND city = 'Montreal';

2.3)
Select pname
From Patient p1
Where NOT EXISTS (Select pid, city
                  From Consults j
                  JOIN Clinic c1 ON j.cid=c1.cid
                  Where (p1.city != j.city AND p1.pid=j.pid));