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SQL Assignment 4

Database Concepts

1. For the employees who work at least 30 hours in a single project, list their names, their department names, the project’s name.

* SELECT Fname, Lname, Dname, Pname

FROM Employee e, Works\_on w, Project p, Department d

WHERE e.Essn AND w.hour > 30.0;

1. List the names of employees who work on a project controlled by Research department.

* SELECT Fname, Lname

FROM Employee e, Department d

WHERE EXISTS (SELECT Essn

FROM Works\_on\_w

WHERE Dname = “Research”);

1. For the employees of Research department, list their names and their dependent’s names.

* SELECT e.Fname, e.Lname, d.name

FROM employee e join department d on e.dept.no =

d.dept.no join dependent de on (e.Ssn = de.Essn)

Where d.Dname = “Research”;

1. Find the name(s) of project(s) that has the most number of employees working on it.

* SELECT Pname

FROM Project p, Employee e, Works\_on w

INNER JOIN Pname

On e.Essn = w.Essn

GROUP BY w.Pno = p.Pnumber

HAVING COUNT(\*)>2;

1. (extra credit)For each employee who is a supervisor, list his/her name along with their department manager’s name

* SELECT e.Fname, e.Lname, me.Fname AS Mgr\_Fname, me.Lname AS Mgr\_Lname

FROM Employee e inner join (Select Super\_Ssn

From Employee) Se on (e.SSn = se.Super\_Ssn)

Inner join Department d on (e.Dno = d.Dnumber) inner join

Employee me on (d.Mgr\_Ssn = me.Ssn);