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CIS 310

Week 9 Homework

10/27/19

Using the database structure depicted in Figures 7.1, 7.2. 7.6 7.7 on pages 323 to 324 of your text book, write the SQL commands to answer problems asked in questions: 1, 2, 3, 6, and 7.

1. SELECT EMP\_NUM, EMP\_LNAME, EMP\_FNAME, EMP\_INITIAL FROM EMPLOYEE WHERE UPPER(EMP\_LNAME) LIKE ‘SMITH’ ORDER BY EMP\_NUM
2. SELECT PROJ\_NAME, PROJ\_VALUE, PROJ\_BALANCE, EMPLOYEE.EMP\_LNAME, EMP\_FNAME, EMP\_INITIAL, EMPLOYEE.JOB\_CODE, JOB.JOB\_DESCRIPTION, JOB.JOB\_CHG\_HOUR

FROM PROJECT, EMPLOYEE, JOB

WHERE EMPLOYEE.EMP\_NUM = PROJECT.EMP\_NUM

AND JOB.JOB\_CODE = EMPLOYEE.JOB\_CODE;

1. SELECT PROJ\_NAME, PROJ\_VALUE, PROJ\_BALANCE, EMPLOYEE.EMP\_LNAME, EMP\_FNAME, EMP\_INITIAL, EMPLOYEE.JOB\_CODE, JOB.JOB\_DESCRIPTION, JOB.JOB\_CHG\_HOUR

FROM PROJECT, EMPLOYEE, JOB

WHERE EMPLOYEE.EMP\_NUM = PROJECT.EMP\_NUM

AND JOB.JOB\_CODE = EMPLOYEE.JOB\_CODE

ORDER BY EMP\_LNAME ASC

1. SELECT ASSIGNMENT.EMP\_NUM, EMPLOYEE.EMP\_LNAME, Sum(ASSIGNMENT.ASSIGN\_HOURS) AS SumOfASSIGN\_HOURS, Sum(ASSIGNMENT.ASSIGN\_CHARGE) AS SumOfASSIGN\_CHARGE

FROM EMPLOYEE, ASSIGNMENT

WHERE EMPLOYEE.EMP\_NUM = ASSIGNMENT.EMP\_NUM

GROUP BY ASSIGNMENT.EMP\_NUM, EMPLOYEE.EMP\_LNAME;

1. SELECT ASSIGNMENT.PROJ\_NUM,

Sum(ASSIGNMENT.ASSIGN\_HOURS) AS SumOfASSIGN\_HOURS,

Sum(ASSIGNMENT.ASSIGN\_CHARGE) AS SumOfASSIGN\_CHARGE

FROM ASSIGNMENT

GROUP BY ASSIGNMENT.PROJ\_NUM