**CYPRUS INTERNATIONAL UNIVERSITY**

**CMPE344 Database Management Systems II**

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**HW2 (Due Date: 12/04/2020)**

Q1- Display first name, last name and salary of all employees who earn same amount as Bruce and do the same job as Peter.

**SELECT FIRST\_NAME,LAST\_NAME,SALARY FROM SYSTEM.EMPLOYEES WHERE SALARY=(SELECT SALARY FROM SYSTEM.EMPLOYEES WHERE FIRST\_NAME='Bruce');**

Q2- List all employees who earn the highest slary in their department.

**SELECT \* FROM SYSTEM.EMPLOYEES A, (SELECT DEPARTMENT\_ID, MAX(SALARY) SALARY FROM SYSTEM.EMPLOYEES GROUP BY DEPARTMENT\_ID) B WHERE A.DEPARTMENT\_ID=B.DEPARTMENT\_ID AND A.SALARY=B.SALARY;**

Q3- Display the employee\_id and last\_name of all managers whose number of employees working for him is more than or equal to 8.

**SELECT A.EMPLOYEE\_ID, A.LAST\_NAME, B.Counts from (SELECT MANAGER\_ID, Count(MANAGER\_ID) Counts FROM SYSTEM.EMPLOYEES GROUP BY MANAGER\_ID) B, SYSTEM.EMPLOYEES A WHERE B.MANAGER\_ID = A.EMPLOYEE\_ID AND B.Counts>=8;**

Q4- Display the job\_id and job\_title which does not exist in the employees table. (Note: All job\_ids are used in the employees table so your query will return 0 result)

**SELECT JOB\_ID, JOB\_TITLE FROM SYSTEM.JOBS A WHERE NOT EXISTS(SELECT B.JOB\_ID FROM SYSTEM.EMPLOYEES B WHERE B.JOB\_ID = A.JOB\_ID);**