**CYPRUS INTERNATIONAL UNIVERSITY**

**CMPE344 Database Management Systems II**

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

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

**Answer Q1.1:**

*SELECT first\_name, last\_name, salary*

*FROM system.employees*

*WHERE (job\_id LIKE '%SA\_REP%' OR job\_id LIKE '%ST\_CLERK%')*

*AND salary = 6000*

**Answer Q1.2:**

SELECT first\_name,last\_name,salary

FROM system.employees

WHERE (salary)

IN (SELECT salary

FROM system.employees

WHERE first\_name = 'Bruce')

AND first\_name <> 'Bruce'

AND (job\_id)

IN (SELECT job\_id from system.employees

WHERE first\_name = 'Peter')

AND first\_name <> 'Peter'

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

SELECT first\_name,last\_name,job\_id,department\_id AS Max\_Salary

FROM system.employees e1

WHERE salary = ( SELECT MAX(salary)

FROM system.employees e2

WHERE e2.department\_id=e1.department\_id)

**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 employee\_id, last\_name

FROM system.employees

WHERE employee\_id

IN (SELECT manager\_id

FROM system.employees

GROUP BY manager\_id

HAVING COUNT(\*) >= 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 j

WHERE NOT EXISTS (SELECT '0'

FROM system.employees

WHERE job\_id = j.job\_id)