

ANA650 Database Design for Analytics

Lab Exercise

Using the Company Database to execute following queries.

Queries:

1. Retrieve the First name and Last name of the employees who draw salary more than 30000 and work in department 5.

Code:

```
1  /* Q1, Ryan Paw */
2  select fname, lname
3  from employee
4  where salary>30000 and dno='5';
```

Output:

FNAME	LNAME
Franklin	Wong
Ramesh	Narayan

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2 rows selected.

2. Retrieve the social security number of employees who do not work on any project.

Code:

```
6  /* Q2, Ryan Paw */
7  select employee.ssn
8  from employee, works_on
9  where not exists (select ssn from employee where employee.ssn=works_on.essn);
```

Output:

no data found

3. Retrieve the name of dependent that belong to the same employee.

Code:

```
11 /* Q3, Ryan Paw */
12 select employee.ssn, employee.fname, employee.lname, dependent.dependent_name
13 from employee, dependent
14 where ssn=essn;
```

Output:

SSN	FNAME	LNAME	DEPENDENT_NAME
123456789	John	Smith	Alice
123456789	John	Smith	Elizabeth
123456789	John	Smith	Michael
333445555	Franklin	Wong	Alice
333445555	Franklin	Wong	Joy
333445555	Franklin	Wong	Theodore
987654321	Jennifer	Wallace	Abner

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7 rows selected.

Email your final file by Monday February 24, 2014 (11:55 PM). Make sure of the following before emailing the files;

1. Use your name and assignment number as "File Name". (e.g. Wyne_Lab).
2. Make sure before you drop the file it should include both the query and the results of the query and your name at the top.
3. Hand written and scanned files are not acceptable and will not be graded.