

ANA650 Database Design for Analytics

Assignment

Using the Company Database execute following queries.

Queries:

1. Retrieve the First name and Last name of the manager who manages Research department and has at least one dependent. Include the name of the dependent in your result.

Code:

```
1  /* Q1, Ryan Paw */
2  select fname, lname, dependent_name
3  from employee, department, dependent
4  where dname='Research'
5  and mgr_ssn=ssn
6  and essn=ssn;
```

Output:

FNAME	LNAME	DEPENDENT_NAME
Franklin	Wong	Alice
Franklin	Wong	Joy
Franklin	Wong	Theodore

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3 rows selected.

2. For every department located in Stafford, list the name of the department, last name of the department manager and the name of the project that is control by this department.

Code:

```
8  /* Q2, Ryan Paw */
9  select dname, lname, pname
10 from employee e, department d, project p
11 where p.plocation='Stafford'
12 and d.mgr_ssn=e.ssn
13 and p.dnum=d.dnumber;
```

Output:

DNAME	LNAME	PNAME
Administration	Wallace	Computerization
Administration	Wallace	Newbenefits

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2 rows selected.

3. Retrieve first and last name of employees and the names of the department and projects they are working for.

Code:

```
15 /* Q3, Ryan Paw */
16 select fname, lname, dname, pname
17 from employee e, department d, project p, works_on w
18 where w.essn=e.ssn
19 and d.dnumber=e.dno
20 and w.pno=p.pnumber;
```

Output:

FNAME	LNAME	DNAME	PNAME
John	Smith	Research	ProductX
Joyce	English	Research	ProductX
John	Smith	Research	ProductY
Franklin	Wong	Research	ProductY
Joyce	English	Research	ProductY
Franklin	Wong	Research	ProductZ
Ramesh	Narayan	Research	ProductZ
Franklin	Wong	Research	Computerization
Ahmad	Jabbar	Administration	Computerization
Alicia	Zelaya	Administration	Computerization
Franklin	Wong	Research	Reorganization
James	Borg	Headquarters	Reorganization
Jennifer	Wallace	Administration	Reorganization
Jennifer	Wallace	Administration	Newbenefits
Ahmad	Jabbar	Administration	Newbenefits
Alicia	Zelaya	Administration	Newbenefits

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16 rows selected.

Email your final file by Saturday March 1, 2014 (11:55 PM). Make sure of the following before uploading the files to the dropbox;

1. Use your name and assignment number as “File Name”. (e.g. Wyne_Assign).
2. Make sure your file includes the query syntax, 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.