# **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;
```

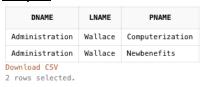
### Output:

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

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
where p.plocation='Stafford'
12  and d.mgr_ssn=e.ssn
13  and p.dnum=d.dnumber;
```

#### Output:



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
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	
Oownload CSV				

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.