Name: Victor Ipinmoroti

CIS: 430

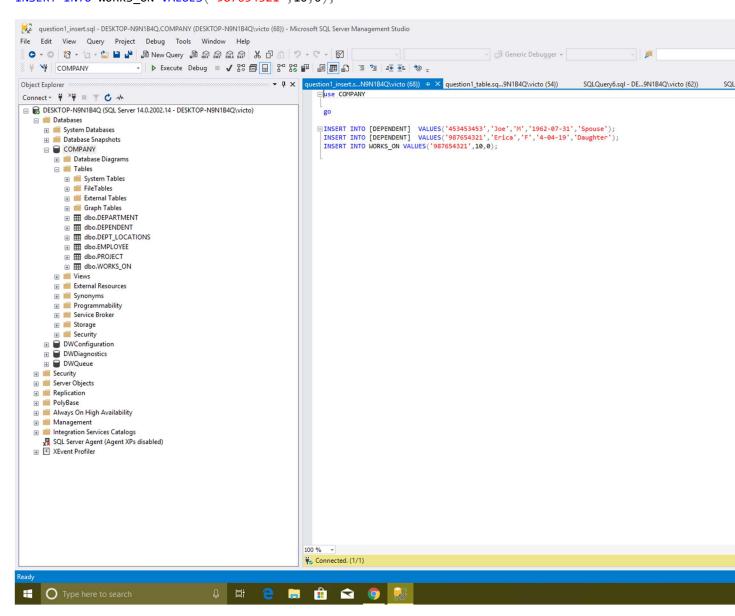
Question 1

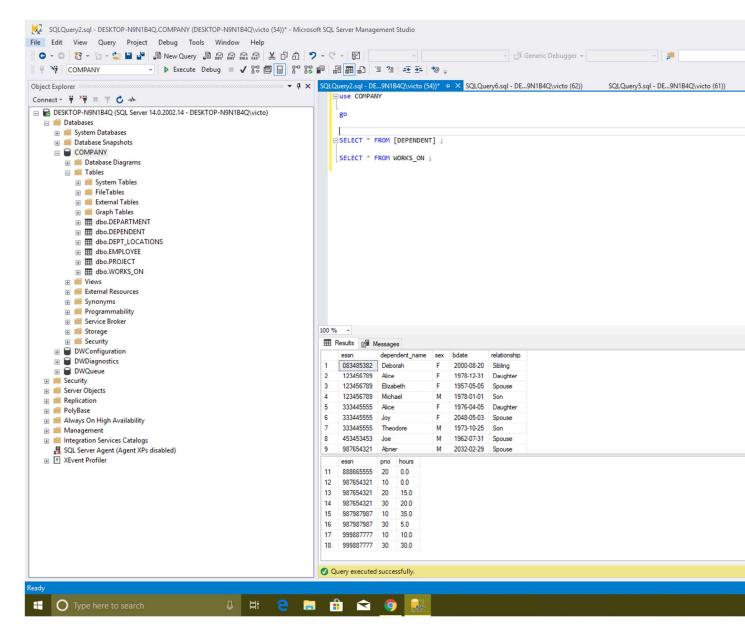
First we insert the new information into the table like so

use COMPANY

go

```
INSERT INTO [DEPENDENT]    VALUES('453453453','Joe','M','1962-07-31','Spouse');
INSERT INTO [DEPENDENT]    VALUES('987654321','Erica','F','4-04-19','Daughter');
INSERT INTO WORKS ON VALUES('987654321',10,0);
```





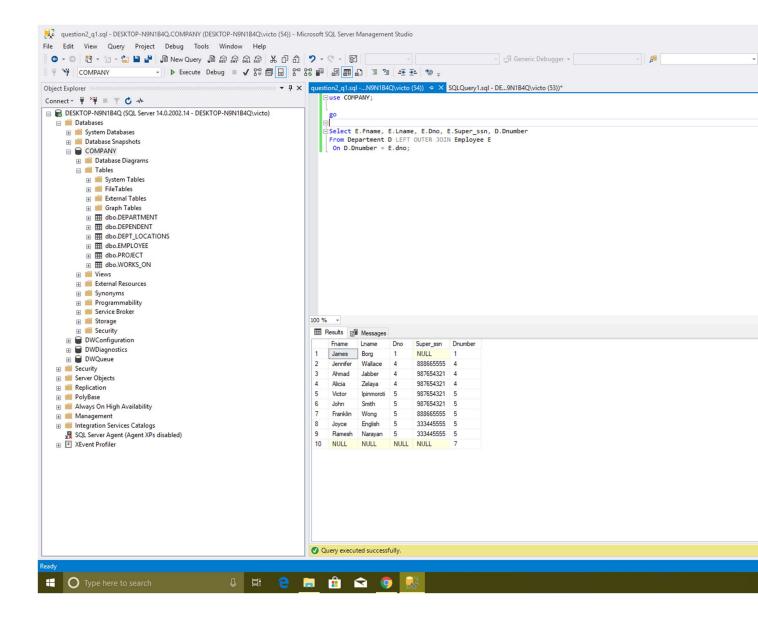
Question 2

First we do part A

On D.Dnumber = E.dno;

```
use COMPANY;
go
Select E.Fname, E.Lname, E.Dno, E.Super_ssn, D.Dnumber
From Department D LEFT OUTER JOIN Employee E
```

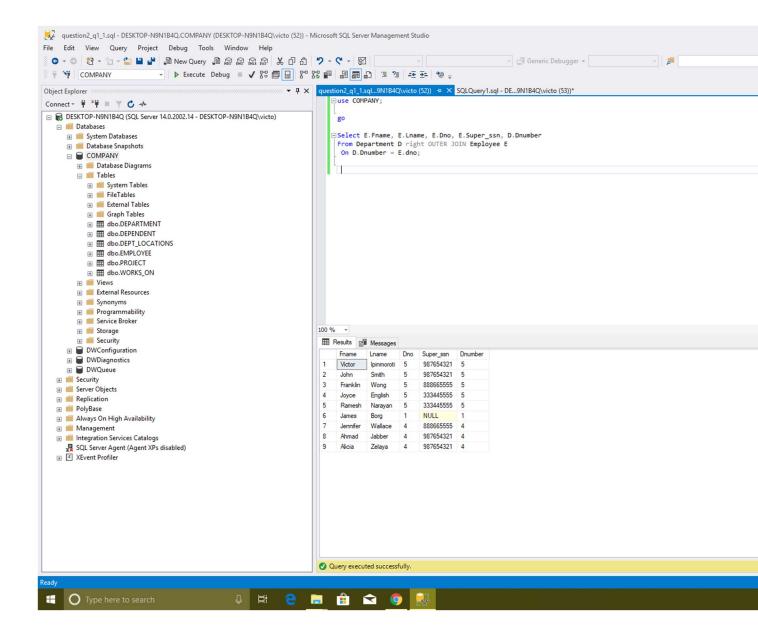
Out put



For the second part we do the same command but this time we use the right join

```
use COMPANY;
go

Select E.Fname, E.Lname, E.Dno, E.Super_ssn, D.Dnumber
From Department D right OUTER JOIN Employee E
On D.Dnumber = E.dno
```



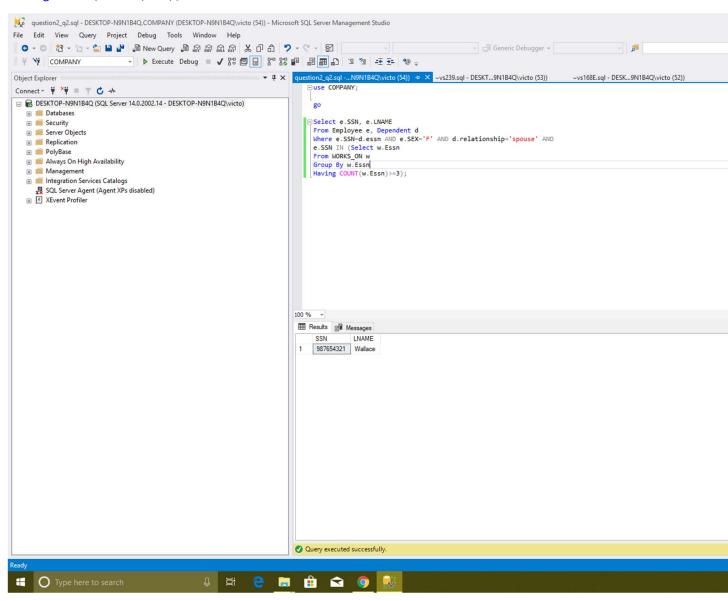
For question 2 of part 2

First, we find where employee SSN is equal to dependent ssn then we make sure it is a female employee and the relationship is a spouse. Then we loop through the works on table to get the amount of times the employee as worked on the project.

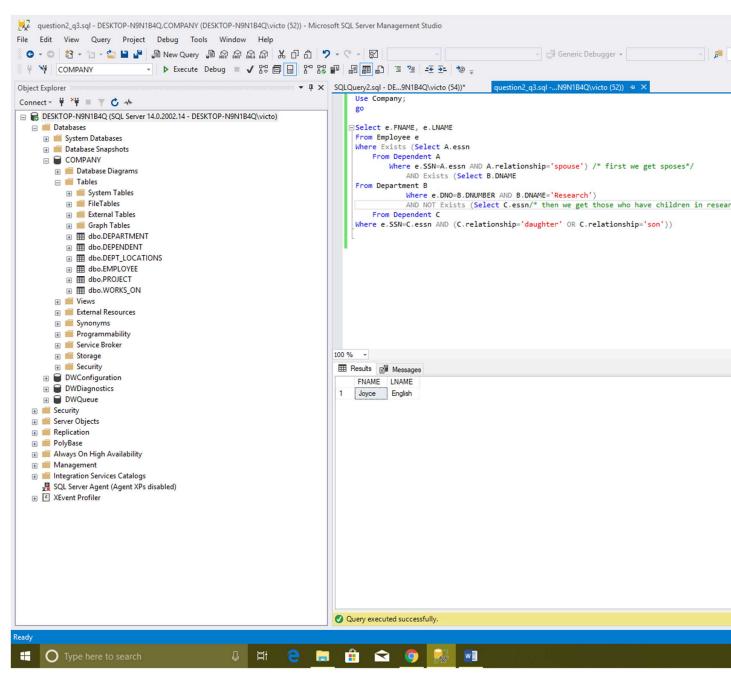
```
use COMPANY;
go

Select e.SSN, e.LNAME
From Employee e, Dependent d
Where e.SSN=d.essn AND e.SEX='F' AND d.relationship='spouse' AND
e.SSN IN (Select w.Essn
From WORKS_ON w
```

```
Group By w.Essn
Having COUNT(w.Essn)>=3);
```

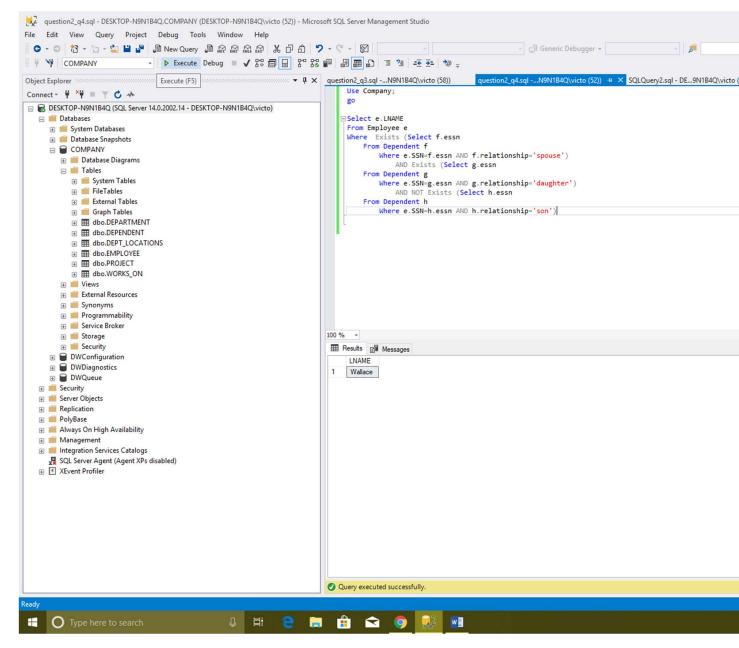


For the third question we first make sure the relationship is a spouse or married then we search in the research department for some one who have no son or daughter.



We do some thing similar for question four but this time we are looking for daughter instead. Thus

```
Use Company;
go
Select e.LNAME
From Employee e
```



Then in 5 we try to get project with more female than male by last name

Use Company;

