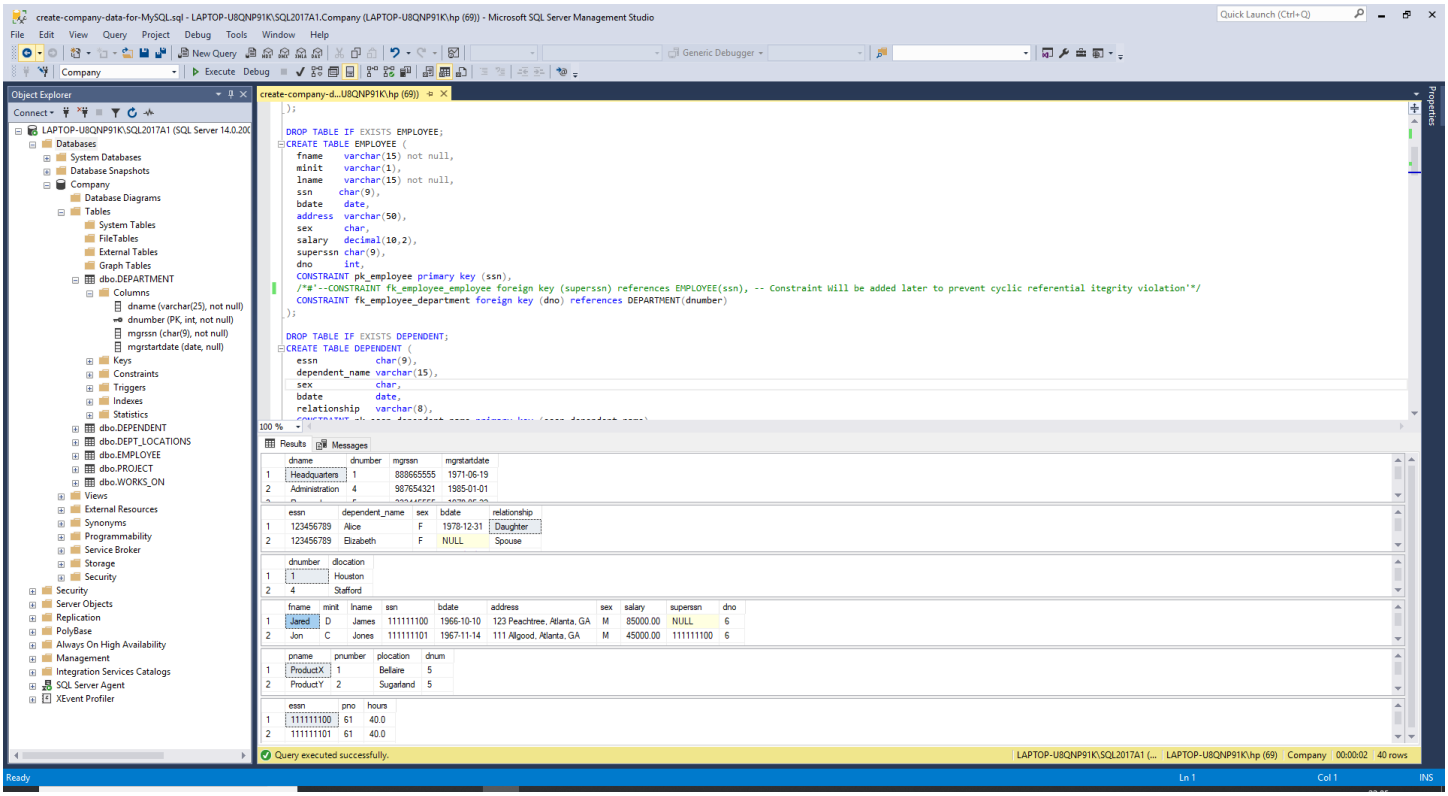
CS6360.004 Fall 2018

Assignment 2 – Install a Database

(Have attached the images separately too)

1. Using **Microsoft SQL Server** with **SQL Server Management Studio**.

2. Ran the script given by the Professor. The below image is a screenshot showing connectivity to the Company database, including the list of tables:



3. Ran below queries:

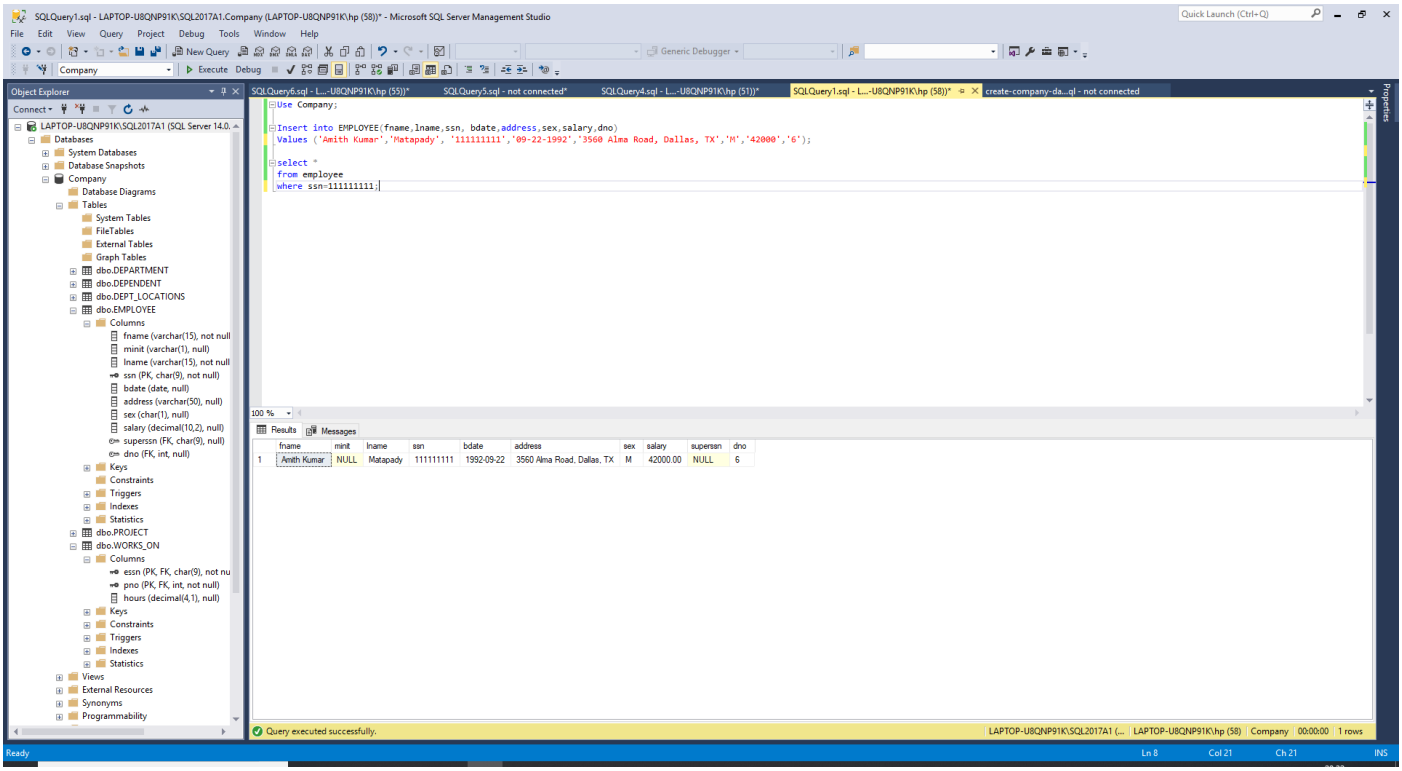
a) Inserted my name ‘Amith Kumar Matapady’ into the ‘Company’ database with social security number of 111111111 and department number 6 and a few other details:

Query –

```
Use Company;

Insert into EMPLOYEE(fname, lname, ssn, bdate, address, sex, salary, dno)
Values ('Amith Kumar', 'Matapady', '111111111', '09-22-1992', '3560 Alma Road,
Dallas, TX', 'M', '42000', '6');

select * from employee where ssn=111111111;
```



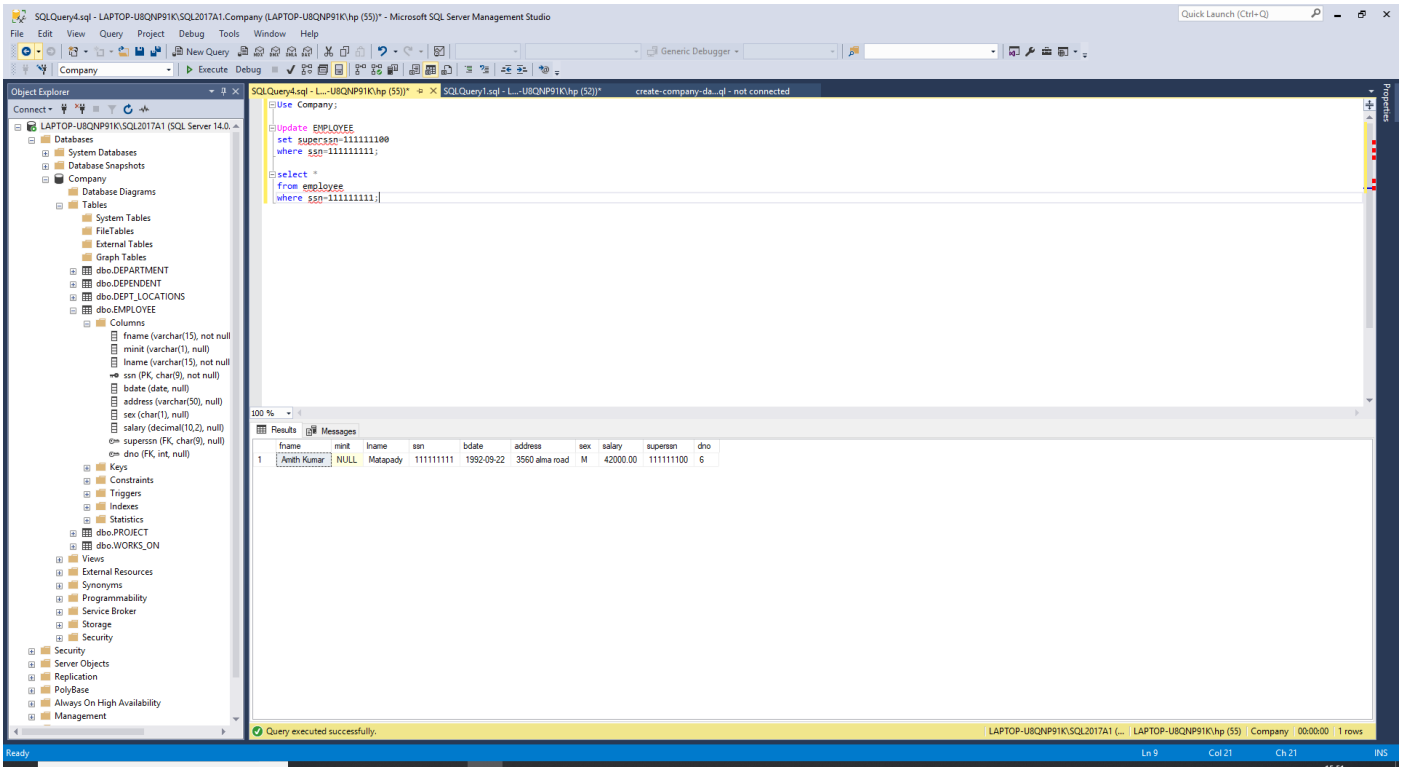
b) Updated my employee record to show 111111100 as my supervisor:

Query –

```
Use Company;

Update EMPLOYEE
set superssn=111111100
where ssn=111111111;

select * from employee where ssn=111111111;
```

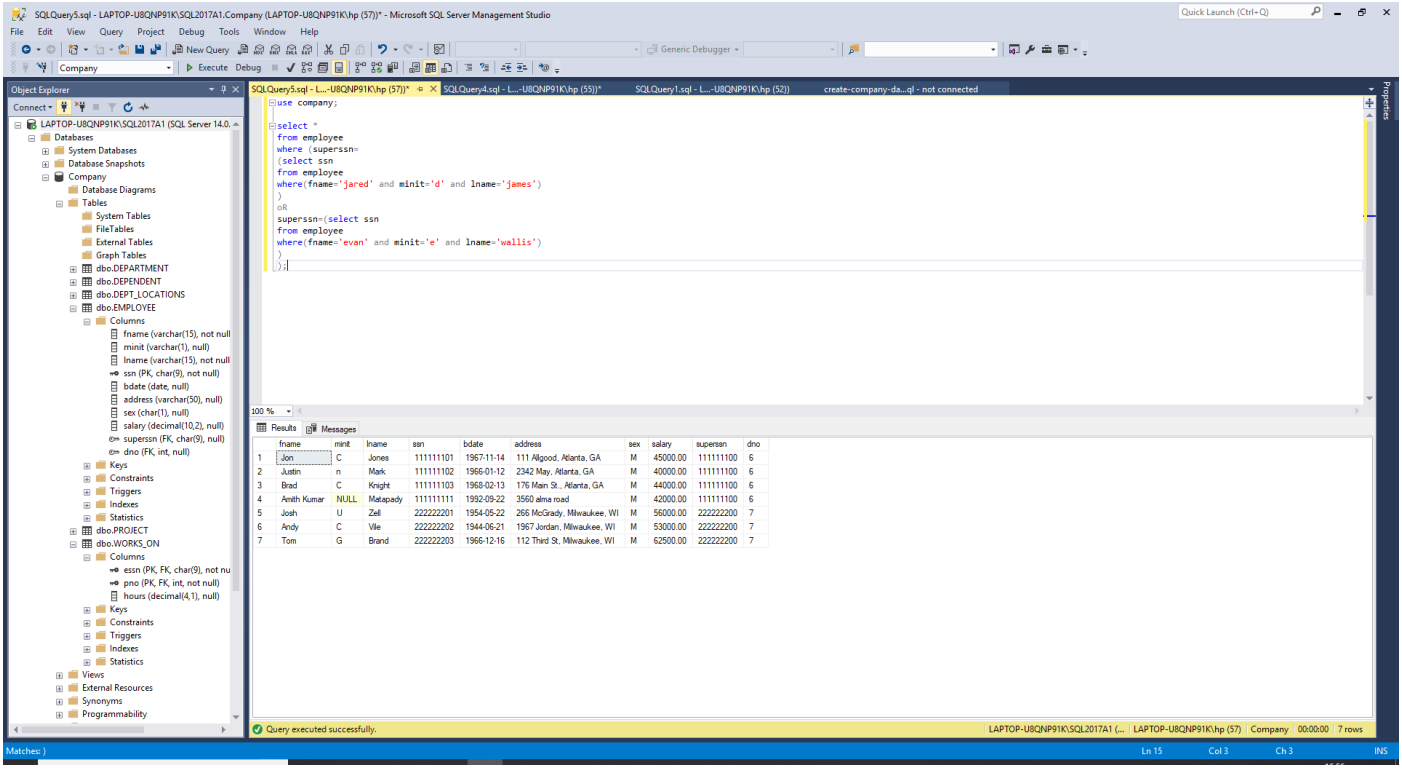


c) Ran a query to show all employees who work for either supervisor Jared D. James or for supervisor Evan E. Wallis:

Query –

```
use company;

select * from employee
where
(superssn=(select ssn from employee where(fname='jared' and minit='d' and
lname='james'))
OR
superssn=(select ssn from employee where(fname='evan' and minit='e' and
lname='wallis')));
```

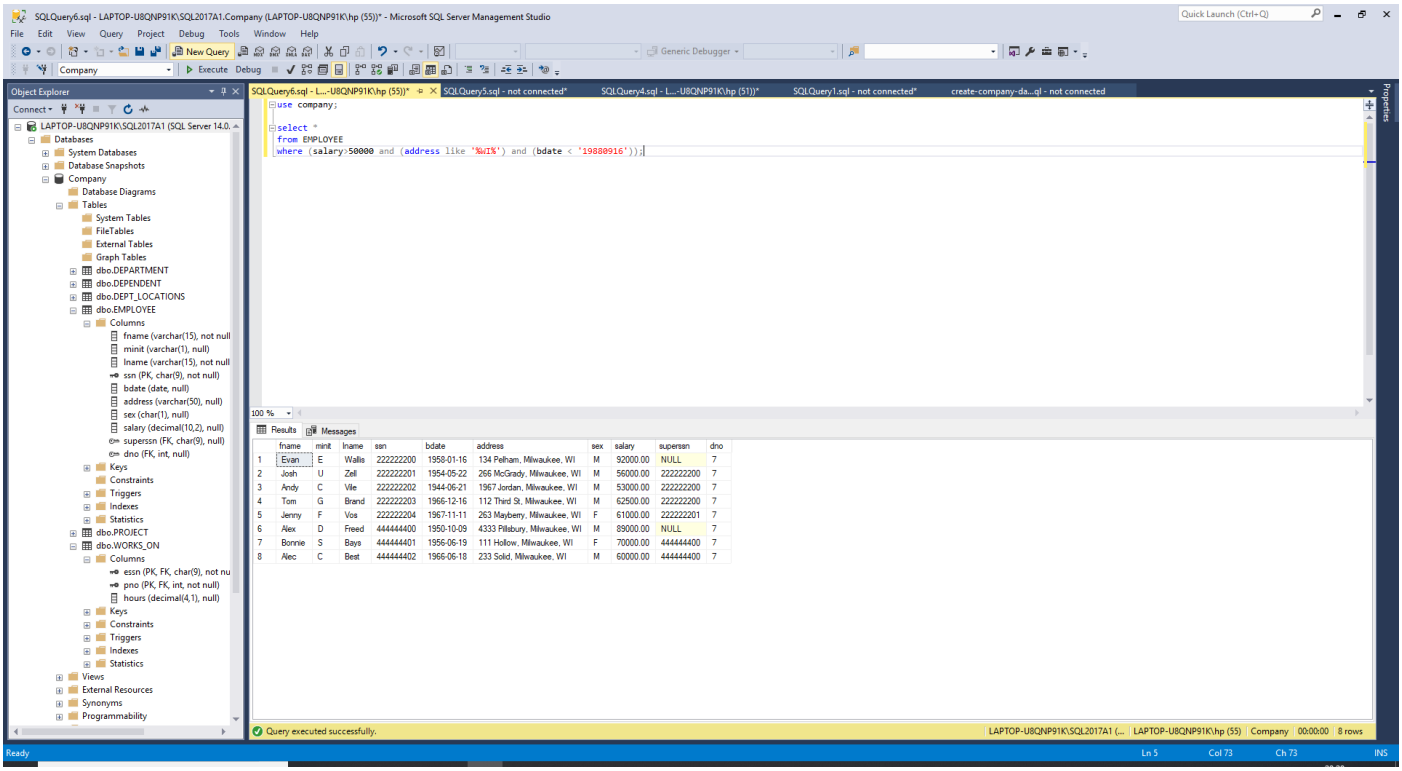


d) Ran a query to show all employees who make more than $50,000 per year, who are over 30 years old, and who live in Wisconsin(WI):

Query –

```
use company;

select *
from EMPLOYEE
where (salary>50000 and (address like '%WI%') and (bdate < '19880916'));
```


SQLQuery6.sql - LAPTOP-U8QNP91K\SQL2017A1.Company (LAPTOP-U8QNP91K\hp (55))* - Microsoft SQL Server Management Studio
File Edit View Query Project Debug Tools Window Help
New Query
Execute Debug
Object Explorer
Connect
LAPTOP-U8QNP91K\SQL2017A1 (SQL Server 14.0.
Databases
System Databases
Database Snapshots
Company
Database Diagrams
Tables
System Tables
FileTables
External Tables
Graph Tables
dbo.DEPARTMENT
dbo.DEPENDENT
dbo.DEPT_LOCATIONS
dbo.EMPLOYEE
Columns
fname (varchar(15), not null
minit (varchar(1), null)
lname (varchar(15), not null
ssn (PK, char(9), not null)
bdate (date, null)
address (varchar(50), null)
sex (char(1), null)
salary (decimal(10,2), null)
superssn (FK, char(9), null)
dno (FK, int, null)
Keys
Constraints
Triggers
Indexes
Statistics
dbo.PROJECT
dbo.WORKS_ON
Columns
essn (PK, FK, char(9), not nu
pno (PK, FK, int, not null)
hours (decimal(4,1), null)
Keys
Constraints
Triggers
Indexes
Statistics
Views
External Resources
Synonyms
Programmability
SQLQuery6.sql - L...-U8QNP91K\hp (55))*
SQLQuery5.sql - not connected*
SQLQuery4.sql - L...-U8QNP91K\hp (51))*
SQLQuery1.sql - not connected*
create-company-da...ql - not connected
use company;
select *
from EMPLOYEE
where (salary>50000 and (address like '%Wi%') and (bdate < '19880916'));
100 %
Results
Messages
fname minit lname ssn bdate address sex salary superssn dno
1 Evan E Wallis 222222200 1958-01-16 134 Pelham, Milwaukee, WI M 92000.00 NULL 7
2 Josh U Zell 222222201 1954-05-22 266 McGrady, Milwaukee, WI M 56000.00 222222200 7
3 Andy C Vile 222222202 1944-06-21 1967 Jordan, Milwaukee, WI M 53000.00 222222200 7
4 Tom G Brand 222222203 1966-12-16 112 Third St, Milwaukee, WI M 62500.00 222222200 7
5 Jenny F Vos 222222204 1967-11-11 263 Mayberry, Milwaukee, WI F 61000.00 222222201 7
6 Alex D Freed 444444400 1950-10-09 4333 Pillsbury, Milwaukee, WI M 89000.00 NULL 7
7 Bonnie S Bays 444444401 1956-06-19 111 Hollow, Milwaukee, WI F 70000.00 444444400 7
8 Alec C Best 444444402 1966-06-18 233 Solid, Milwaukee, WI M 60000.00 444444400 7
Query executed successfully.
LAPTOP-U8QNP91K\SQL2017A1 (... | LAPTOP-U8QNP91K\hp (55) | Company | 00:00:00 | 8 rows
Ready
Ln 5 Col 73 Ch 73 INS