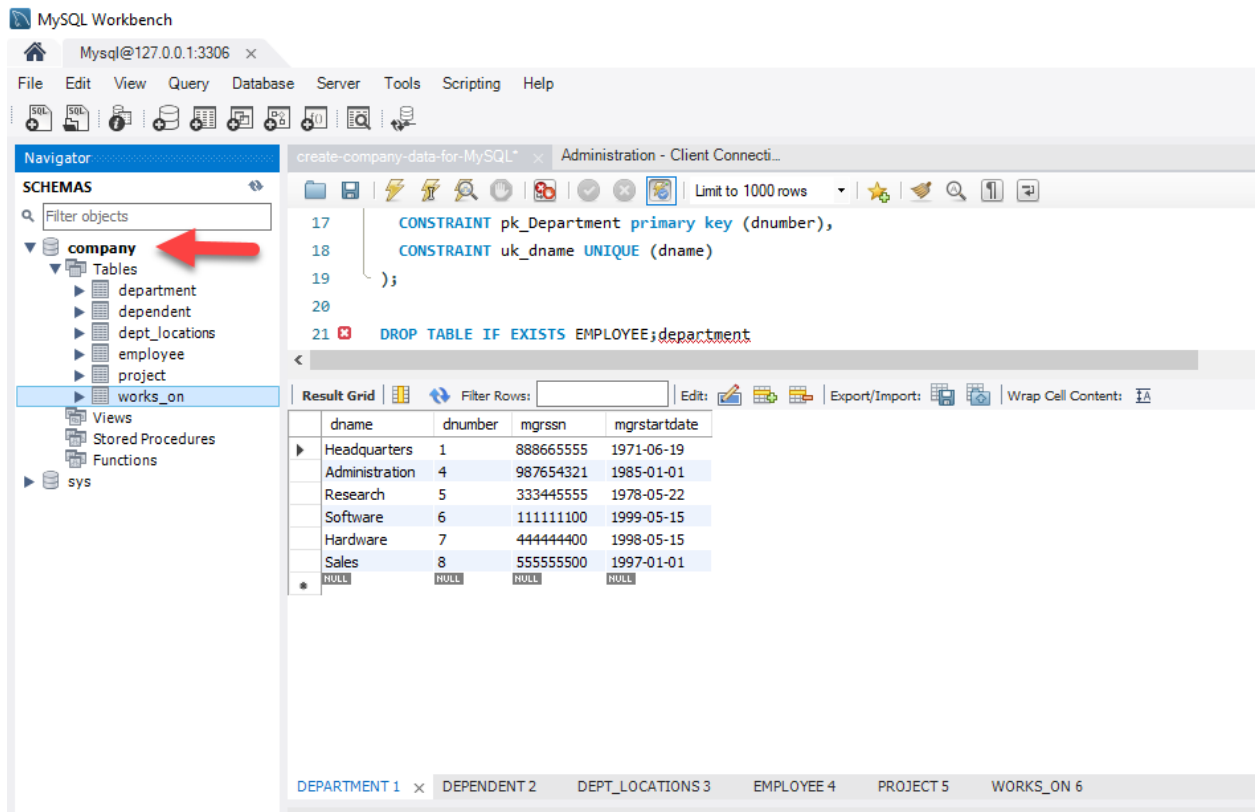


CS6360.MS1 Spring 2021

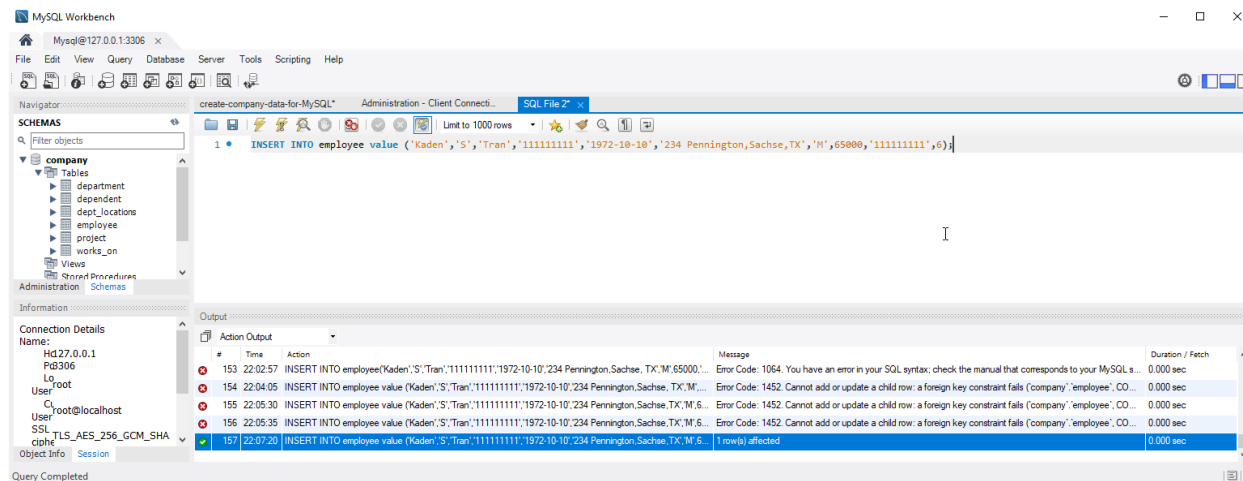
Assignment 2 – Install a Database

There are three parts to this assignment.

1. Install a relational database manager on your computer. Unfortunately, you can't use the lab computers for this. As I have said in class, you can work with MySQL, MariaDB or Microsoft SQL Server. Make sure you install the tools, such as the MySQL Workbench or SQL Server Management Studio. You can get an "express edition" of the Microsoft product free, which is what I have installed and will be using in class. However, any of the three is fine for this assignments and ones that follow.
2. Download the Company database text file (with a .sql extension) from eLearning. If you got the one from my Web site, that won't work. Run the script to create the database. Take a screen shot of your screen showing connectivity to the Company database, including the list of tables. This will be handed in. (20 points.)



3. Run the following queries and take screen captures of the query and showing the results. Your screen shots must show the query text along with the results. (5 points each):
 - a. Insert your name into the Company database employee table with social security number of 111111111 and department 6. You don't need to use your real address.



Query: INSERT INTO employee value
 ('Kaden','S','Tran','11111111','1972-10-10','234
 Pennington,Sachse,TX','M',65000,'11111111',6);

- b. Update your employee record to show 111111100 as your supervisor. Query to show your record only.

The screenshot shows a MySQL client window with the following content:

SQL File 2*

```

1 • update employee set superssn='111111100' where ssn='11111111';
2 • select * from employee where fname='kaden';
3

```

Result Grid

	fname	minit	lname	ssn	bdate	address	sex	salary	superssn	dno
▶	Kaden	S	Tran	11111111	1972-10-10	234 Pennington,Sachse,TX	M	65000.00	11111100	6
*										

Output

Action Output

#	Time	Action	Message
✓ 159	22:18:03	select fname,lname from employee where fname='Kaden' LIMIT 0, 1000	1 row(s) returned
✓ 160	22:24:50	select fname,lname,mgrssn from employee,department where fname='Kaden' and dno=dnumber LIMIT 0, 1000	1 row(s) returned
✓ 161	22:30:16	select fname,lname,mgrssn as ManagerSSN from employee,department where fname='Kaden' and dno=dnum...	1 row(s) returned
✓ 162	22:30:43	select fname,lname,mgrssn as ManagerSSN,dno as department from employee,department where fname='Ka...	1 row(s) returned
✓ 163	22:37:03	select * from employee where fname='Jared' LIMIT 0, 1000	1 row(s) returned
✓ 164	22:38:06	select * from employee where fname='Evan' LIMIT 0, 1000	1 row(s) returned

Query:
 update employee set superssn='111111100' where ssn='11111111';
 select * from employee where fname='kaden';

- c. Show all employees who work for supervisor Jared D. James and those who work for supervisor Evan E. Wallis. That is, everyone who works for either one of those two people. (You can write this so the query doesn't involve the name, if you wish.)

create-company-data-for-MYSQL Administration - Client Connecti... SQL File 2* x

Limit to 1000 rows

```
1 • select * from employee where superssn='111111100' or superssn='222222200' ;
```

2

Result Grid

fname	minit	lname	ssn	bdate	address	sex	salary	superssn	dno
Jon	C	Jones	111111101	1967-11-14	111 Allgood, Atlanta, GA	M	45000.00	111111100	6
Justin	n	Mark	111111102	1966-01-12	2342 May, Atlanta, GA	M	40000.00	111111100	6
Brad	C	Knight	111111103	1968-02-13	176 Main St., Atlanta, GA	M	44000.00	111111100	6
Kaden	S	Tran	111111111	1972-10-10	234 Pennington, Sachse, TX	M	65000.00	111111100	6
Josh	U	Zell	222222201	1954-05-22	266 McGrady, Milwaukee, WI	M	56000.00	222222200	7
Andy	C	Vile	222222202	1944-06-21	1967 Jordan, Milwaukee, WI	M	53000.00	222222200	7
Tom	G	Brand	222222203	1966-12-16	112 Third St, Milwaukee, WI	M	62500.00	222222200	7
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

employee 12 x

Output

Action Output

#	Time	Action	Message
166	22:44:31	update employee set superssn='111111100' where fname='kaden'	Error Code: 1175. You are using safe update mode and
167	22:45:59	update employee set superssn='111111100' where ssn='111111111'	1 row(s) affected Rows matched: 1 Changed: 1 Wamin
168	22:45:59	select * from employee where fname='kaden' LIMIT 0, 1000	1 row(s) returned
169	22:49:55	select * from employee where superssn='111111100' LIMIT 0, 1000	4 row(s) returned

Query: select * from employee where superssn='111111100' or superssn='222222200' ;

- d. Show all employees who make more than \$50,000 per year, who are over 30 years old, and who live in Wisconsin (state abbreviation WI.)

create-company-data-for-MYSQL Administration - Client Connecti... SQL File 2* x

Limit to 1000 rows

```
1 • select * from employee where salary > 50000 and address like '%WI%' and (DATEDIFF(curdate(),bdate)/365) >30;
```

Result Grid

fname	minit	lname	ssn	bdate	address	sex	salary	superssn	dno
Evan	E	Wallis	222222200	1958-01-16	134 Pelham, Milwaukee, WI	M	92000.00	NULL	7
Josh	U	Zell	222222201	1954-05-22	266 McGrady, Milwaukee, WI	M	56000.00	222222200	7
Andy	C	Vile	222222202	1944-06-21	1967 Jordan, Milwaukee, WI	M	53000.00	222222200	7
Tom	G	Brand	222222203	1966-12-16	112 Third St, Milwaukee, WI	M	62500.00	222222200	7
Jenny	F	Vos	222222204	1967-11-11	263 Mayberry, Milwaukee, WI	F	61000.00	222222201	7
Alex	D	Freed	444444400	1950-10-09	4333 Pillsbury, Milwaukee, WI	M	89000.00	NULL	7
Bonnie	S	Bays	444444401	1956-06-19	111 Hollow, Milwaukee, WI	F	70000.00	444444400	7
Alec	C	Best	444444402	1966-06-18	233 Solid, Milwaukee, WI	M	60000.00	444444400	7
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query: select * from employee where salary > 50000 and address like '%WI%' and (DATEDIFF(curdate(),bdate)/365) >30;

To hand in: A PDF or Word document containing the screen shots as describe in parts 2 and 3.