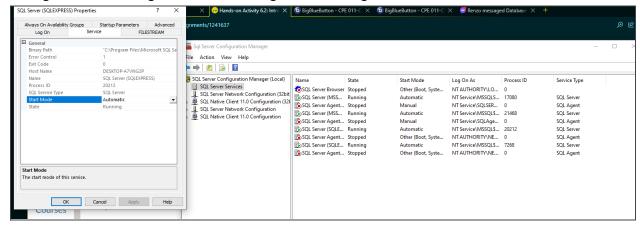
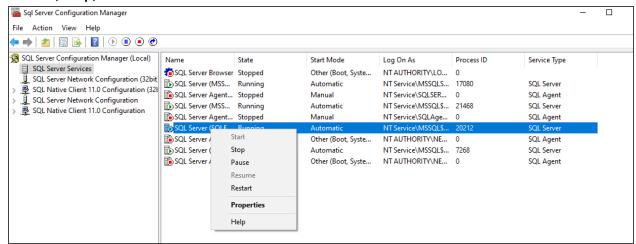
Activity No. 6 - Introduction to SQL Server Environment				
Name: Efa, Christian Guevarra, Hans Angelo Mendoza, John Renzo Nicolas, Sean Julian Vinluan, Armando	Date: 03/10/22			
Section: CPE21S3	Instructor: Dr. Jonathan Vidal Taylar			

Laboratory Procedure

Manage Services using SQL Server Configuration Manager

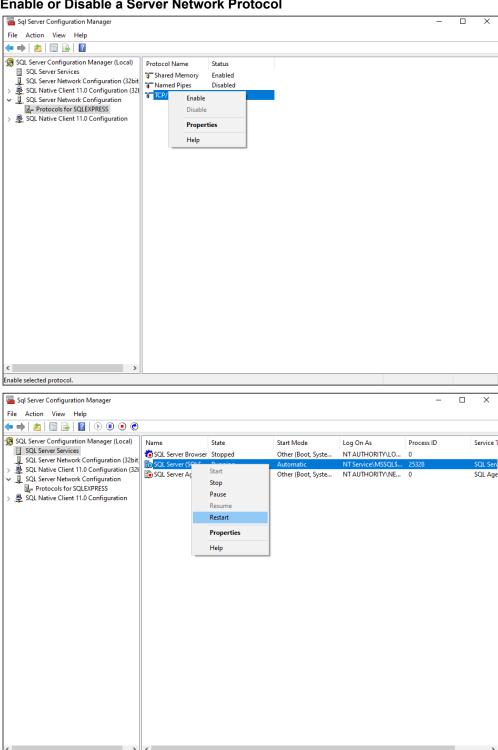


To Start, Stop, Pause or Resume Service

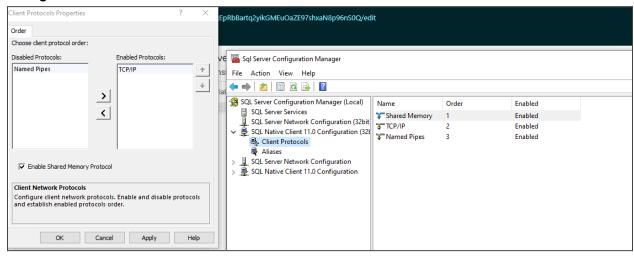


Enable or Disable a Server Network Protocol

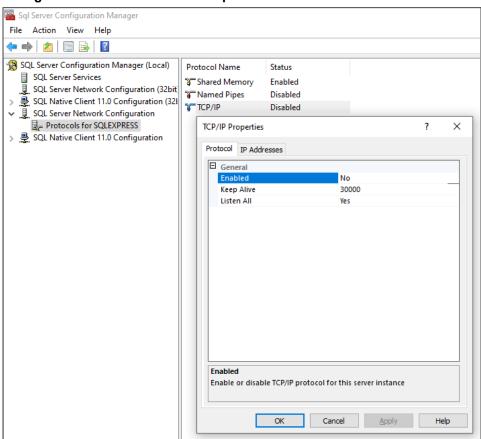
Restart (stop and then start) selected service.

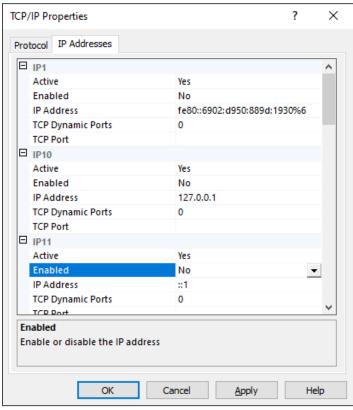


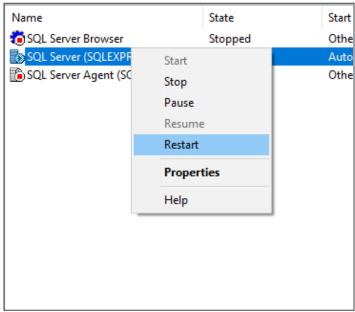
Configure Client Protocols



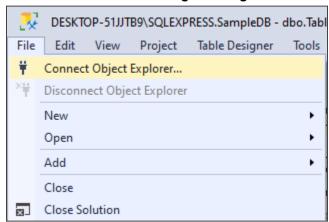
Configure a Server to Listen on a Specific TCP Port

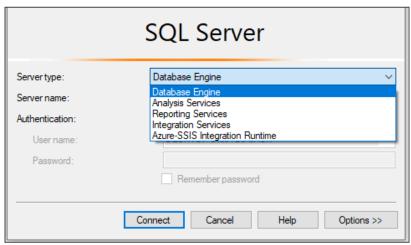


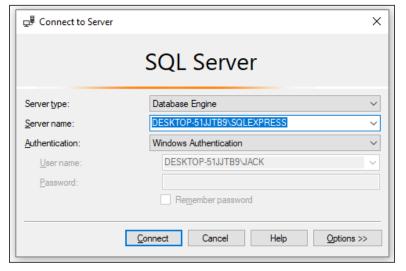




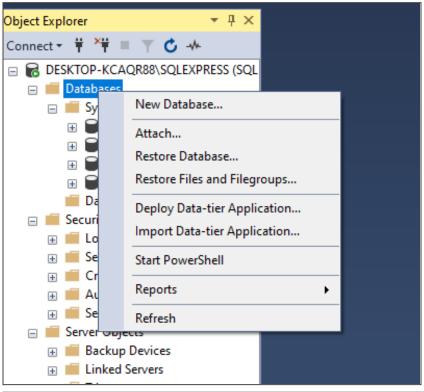
Connect to the Database Engine using SQL Server Management Studio

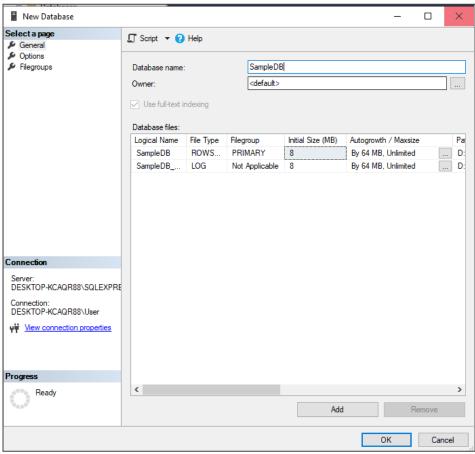


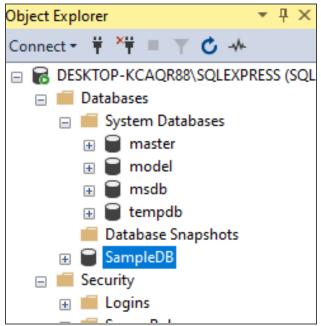


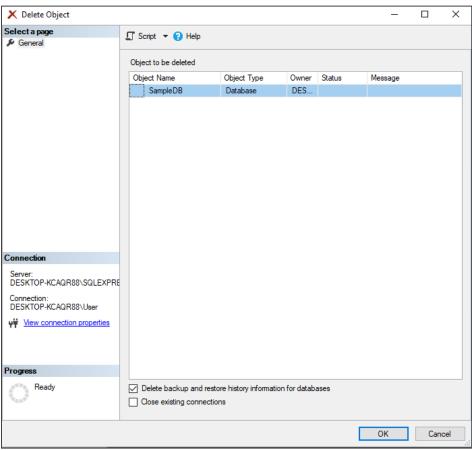


Create Database using SQL Server Management Studio

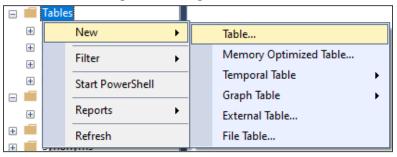


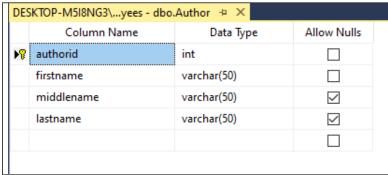


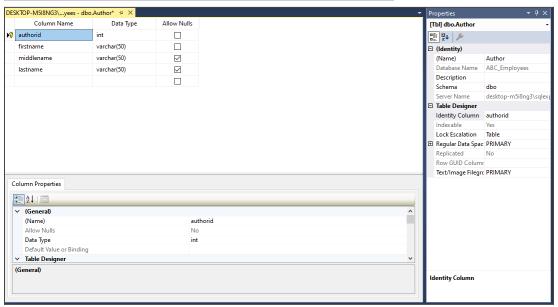


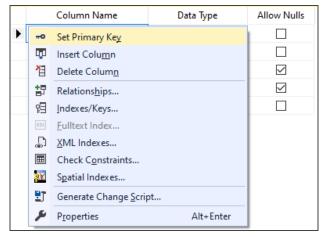


Create Tables using Table Designer

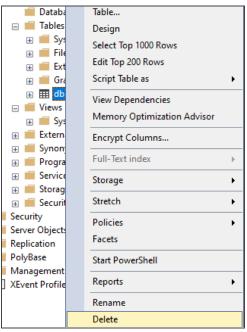


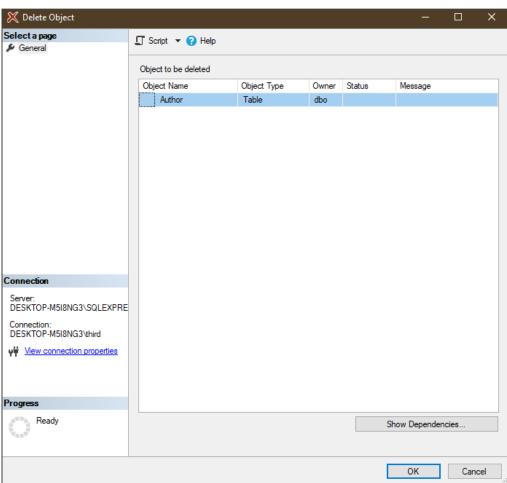




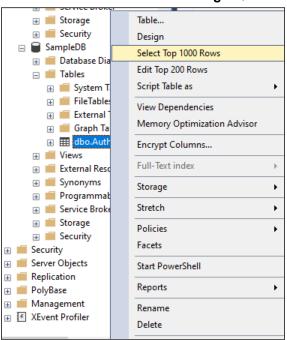


Delete Database using SQL Server Management Studio





View and Edit Data in a Table using SQL Server Management Studio



```
SQLQuery3.sql - DE...5l8NG3\third (52)) 

DESKTOP-M5l8NG3\...leDB - dbo.Author

/****** Script for SelectTopNRows command from SSMS 

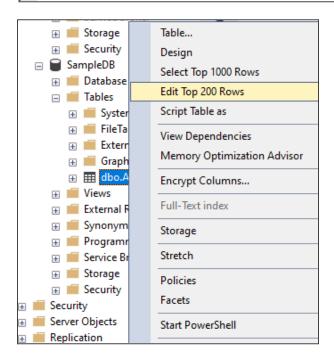
******/
□ SELECT TOP (1000) [authorid]

,[firstname]

,[middlename]

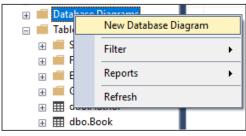
,[lastname]

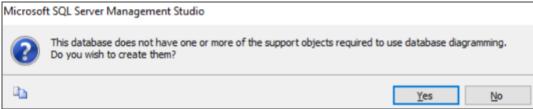
FROM [SampleDB].[dbo].[Author]
```

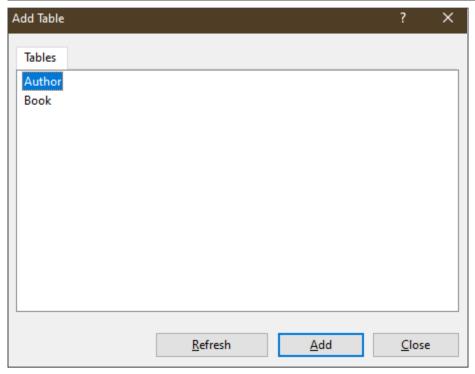


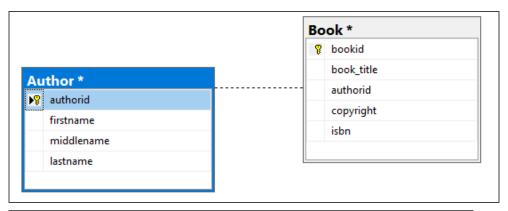


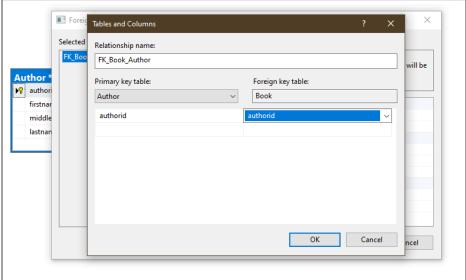
Creating Relationship using Database Diagram with Microsoft SQL Server Management Studio

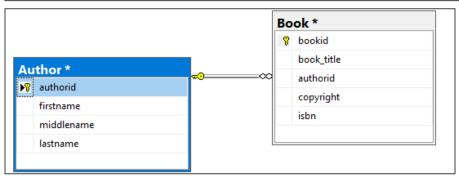






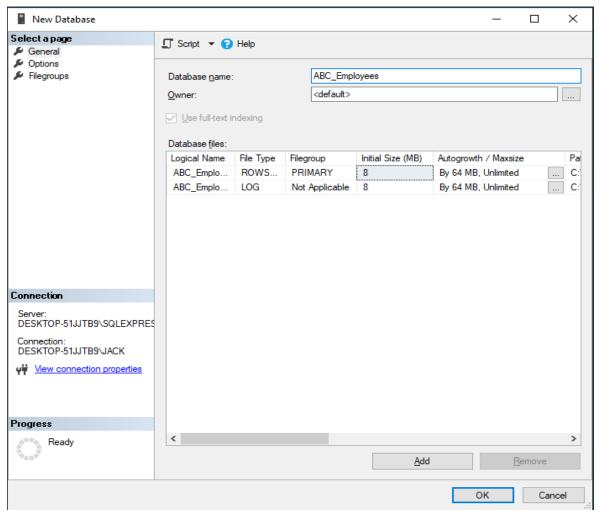






Supplementary Activity

1. Create a database ABC_Employees.



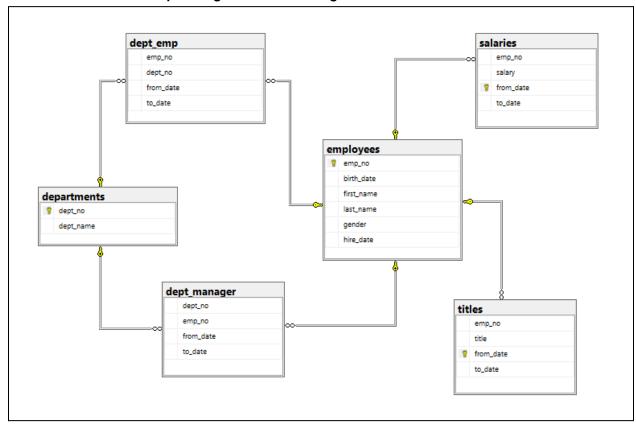
Observation: Creation of ABC_Employees database.

2. Create the following tables in the ABC_Employees database.



Observation: Creation of 6 tables under the ABC_Employees database.

3. Create relationships using the database diagram.



Observation: There are 6 tables created inside the database named ABC_employees. Each table is related to at least one of the other tables using a primary and foreign keys. As we can observe, the dept_emp, dept_manager, salaries, and titles have foreign keys that are referenced to either departments table or employees table. We can also observe a one to many relationship between the tables that has referenced a primary key. For instance, departments and employees have a one to many relationship.

4. Insert 10 Employees with their salary, department and their manager.

Employees Table

	emp_no	birth_date	first_name	last_name	gender	hire_date
	1001	NULL	Christian Ed	Efa	M	2022-10-03
	1002	NULL	Hans Angelo	Guevarra	M	2022-10-03
	1003	2002-12-08	John Renzo	Mendoza	M	2022-10-03
	1004	NULL	Sean Julian	Nicolas	M	2022-10-03
	1005	NULL	Armando	Vinluan	M	2022-10-03
/	1006	2001-11-11	Daniel	Nereida	M	2022-08-04
	1007	2002-10-01	Julia	Yared	F	2022-09-14
	1008	2002-10-05	Maha	Panfilo	F	2022-10-01
	1009	2001-05-02	Ishmael	Santos	M	2022-09-16
	1010	2003-01-25	Harlee	Ramos	M	2022-08-28
	NULL	NULL	NULL	NULL	NULL	NULL

Observation: 10 Data inserted in employees table, given that the emp_no is the primary key.

Salaries Table

DESK	TOP-DP133J6\S	.Relationship Model	DESKTOP-DP133J6\SQees - dbo.sala		
	emp_no	salary	from_date	to_date	
	1001	10000	2022-09-03	2022-10-03	
	1002	20000	2022-09-04	2022-10-03	
	1003	15000	2022-09-05	2022-10-03	
	1004	18000	2022-09-06	2022-10-03	
	1005	17000	2022-09-07	2022-10-03	
	1006	19000	2022-09-08	2022-10-07	
	1007	21000	2022-09-09	2022-10-07	
	1008	13000	2022-09-10	2022-10-07	
	1009	8000	2022-09-11	2022-09-29	
	1010	11000	2022-09-12	2022-10-01	
Þw.	NULL	NULL	NULL	NULL	

Observation: Data inserted into the salaries table given that the emp_no is existing on the employees table as it is a foreign key.

Departments Table

DESKT	OP-DP133J6\S db	4	×	SQLQuery6.s	
	dept_no	dept_name			
1	1	Finance			
	2	Marketing			
	3	Sales			
	NULL	NULL			
	•				

Observation: Data inserted into the departments table given that the dept_no is a primary key.

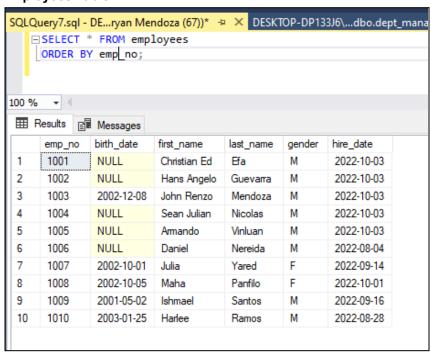
Department Manager Table

SQLC	Query7.sql - DE	ryan Mendoza (67))*	DESKTOP-DP133J6\dbo.dept_ma			
	dept_no	emp_no	from_date	to_date		
	1	1001	2022-10-01	2022-12-01		
	2	1002	2022-10-01	2022-12-01		
	1	1003	2022-10-01	2022-12-01		
	1	1004	2022-10-01	2022-12-01		
	2	1005	2022-10-01	2022-12-01		
	3	1006	2022-10-01	2022-12-01		
	3	1007	2022-10-01	2022-12-01		
	2	1008	2022-10-01	2022-12-01		
	1	1009	2022-10-01	2022-12-01		
	2	1010	2022-10-01	2022-12-01		
> *	NULL	NULL	NULL	NULL		

Observation: Data inserted into the dept_manager table given that the dept_no and emp_no is existing on departments and employees table respectively as it is a foreign key.

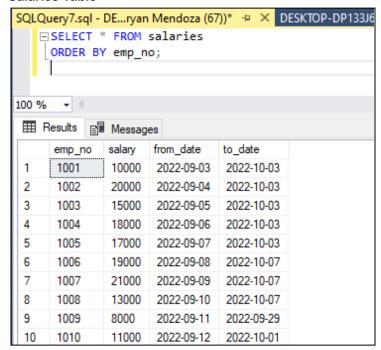
5. Select and view the data in the tables of ABC_EmployeesDB database.

Employees Table



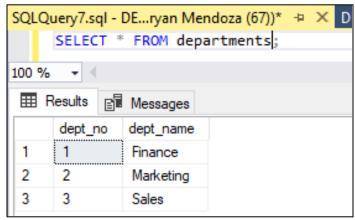
Observation: Using select all command to query and display the entries under the employees table.

Salaries Table



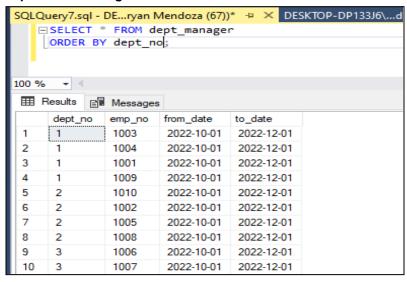
Observation: Using select all command to query and display the entries under the salaries table.

Departments Table



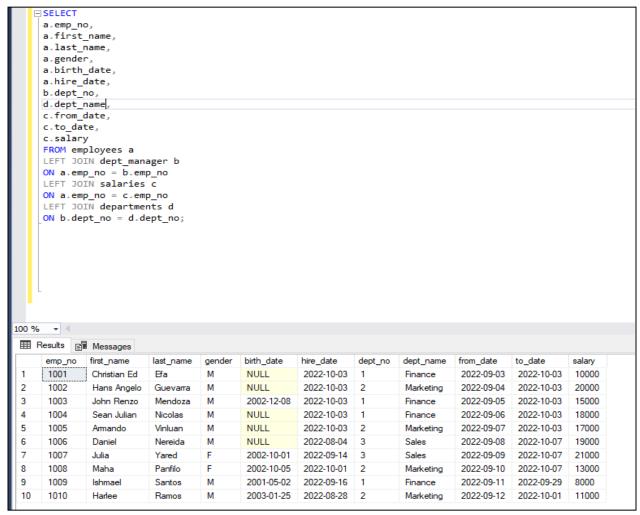
Observation: Using select all command to query and display the entries under the departments table..

Department Manager Table



Observation: Using select all command to query and display the entries under the dept_manager table.

Joined Tables



Observation: Using the Left Join command to display the columns under the four tables populated on the previous steps. The four tables joined together are; departments, employees, dept_manager, and salaries tables.

Conclusion

With this activity, our group was able to become acquainted with the SQL Server environment through the use of Microsoft SQL Server Management Studio and SQL Server Configuration Manager. Our group was also able to put previous knowledge into practice by creating databases, tables, and deleting and modifying them.

The procedure on this activity specifically focused on setting up the Microsoft SQL environment in which we can create, use, modify our database as well as our tables within them. The procedure also introduced the different features available in this Microsoft SQL environment. With that, the students were able to be familiarized with the application. Moreover, the different MySQL commands as well as the concepts are also refreshed on this activity. Some concepts such as the relational database model, the select commands, the keys and others.