

Justin Davis

4/8/2021

CS 364

LAB 0

1. I plan on using SQL Server. My reason for using SQL Server is because you provided a very good tutorial video showing how to use the basic functions of it, and the only tutorials I could find for Snowflake were generally someone who was really hard to understand, or they would start off speaking English and then go to speaking something else making the tutorial useless to me. I also wanted to use SQL because there wasn't some signup and fee scheme to it. I first had a functioning DBMS today, 4/8/2021 at about 2pm after fighting with SQL, giving up on it and going to Snowflake, then realizing you had a tutorial on SQL and coming back. I made the tables and put in data the way that was shown in the video, so I didn't do it via the commands like you showed in the document so I hope that's alright. Seems to have worked just fine the way I did it.

I took a smaller section of the system to show the results of my table because it made the picture very hard to read otherwise. There's just blank space next to this anyway.

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. On the left is the Object Explorer showing the database structure. The main window displays a query and its results.

Object Explorer:

- Server: \SQLEXPRESS (SQL Server 15.0.2000 - D)
- Databases
 - System Databases
 - Database Snapshots
 - newdatabase
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.P
 - dbo.S
 - dbo.SP
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
- Security
- Server Objects
- Replication
- PolyBase
- Management
- XEvent Profiler

Query Window:

```
SELECT * FROM [S]  
SELECT * FROM [P]  
SELECT * FROM [SP]
```


Results:


	SNO	SNAME	STATUS	CITY
1	S1	Smith	20	London
2	S2	Jones	10	Paris
3	S3	Blake	30	Paris
4	S4	Clark	20	London
5	S5	Adams	30	Athens



	PNO	PNAME	COLOR	WEIGHT	STOREDCITY
1	P1	Nut	Red	12	London
2	P2	Bolt	Green	17	Paris
3	P3	Screw	Blue	17	Rome
4	P4	Screw	Red	14	London
5	P5	Cam	Blue	12	Paris
6	P6	Cog	Red	19	London

	SNO	PNO	QTY
1	S1	P1	300
2	S1	P2	200
3	S1	P3	400
4	S1	P4	200
5	S1	P5	100
6	S1	P6	100
7	S2	P1	300
8	S2	P2	400
9	S3	P2	200
10	S4	P2	200
11	S4	P4	300
12	S4	P5	400

I don't know if it matters, but I couldn't figure out if the key values were supposed to be underlined like in the assignment write up so I took snips of each tables set up to show that I did actually set the primary keys for each table to the expected values.

DESKTOP-F2PMG1F\...wdatabase - dbo.S			
	Column Name	Data Type	Allow Nulls
	SNO	varchar(50)	<input type="checkbox"/>
	SNAME	varchar(50)	<input type="checkbox"/>
	STATUS	int	<input type="checkbox"/>
	CITY	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

DESKTOP-F2PMG1F\...wdatabase - dbo.P			
	Column Name	Data Type	Allow Nulls
	PNO	varchar(50)	<input type="checkbox"/>
	PNAME	varchar(50)	<input type="checkbox"/>
	COLOR	varchar(50)	<input type="checkbox"/>
	WEIGHT	int	<input type="checkbox"/>
	STOREDCITY	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

DESKTOP-F2PMG1F\...database - dbo.SP			
	Column Name	Data Type	Allow Nulls
	SNO	varchar(50)	<input type="checkbox"/>
	PNO	varchar(50)	<input type="checkbox"/>
	QTY	int	<input type="checkbox"/>
			<input type="checkbox"/>