

## Lab 1: Parts I and II

### Part I

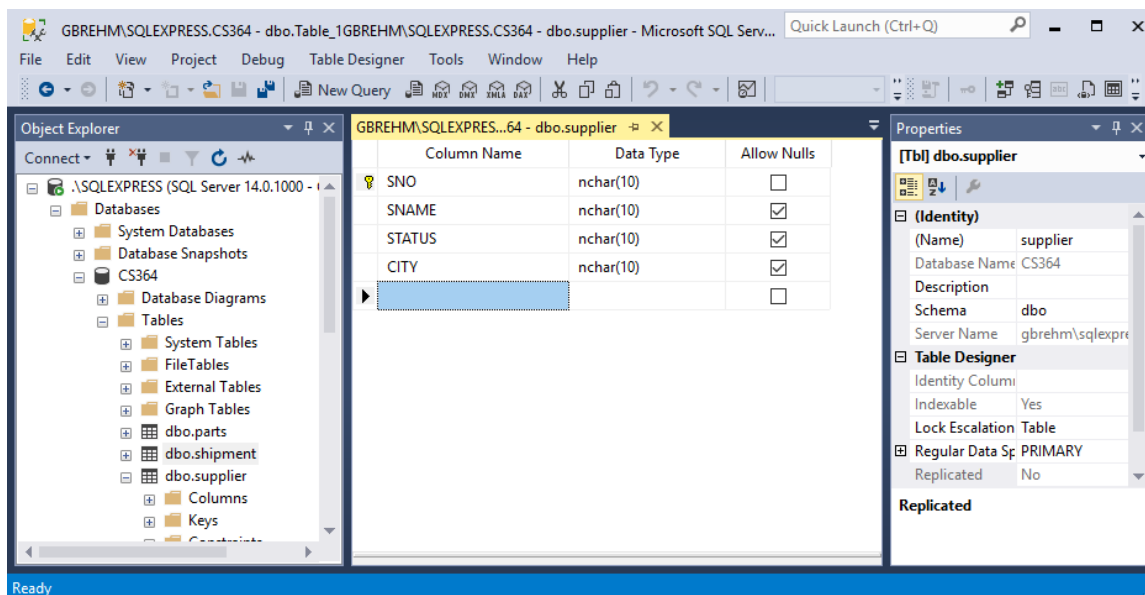
#### Questions:

- What DBMS do you plan to use to carry out your labs for the term?
  - As of right now, I will be using Microsoft SQL Server Express.
- Why?
  - MS SQL Server Express is relatively easy to use, is free, and is large enough for the purposes of this class. I also liked the idea of using some form of SQL Server over using MySQL.
- When did you first have a functioning DBMS to use?
  - As of Thursday, April 18, 2019, I had SQL Server Express, and SQL Server Management Studio installed and running.

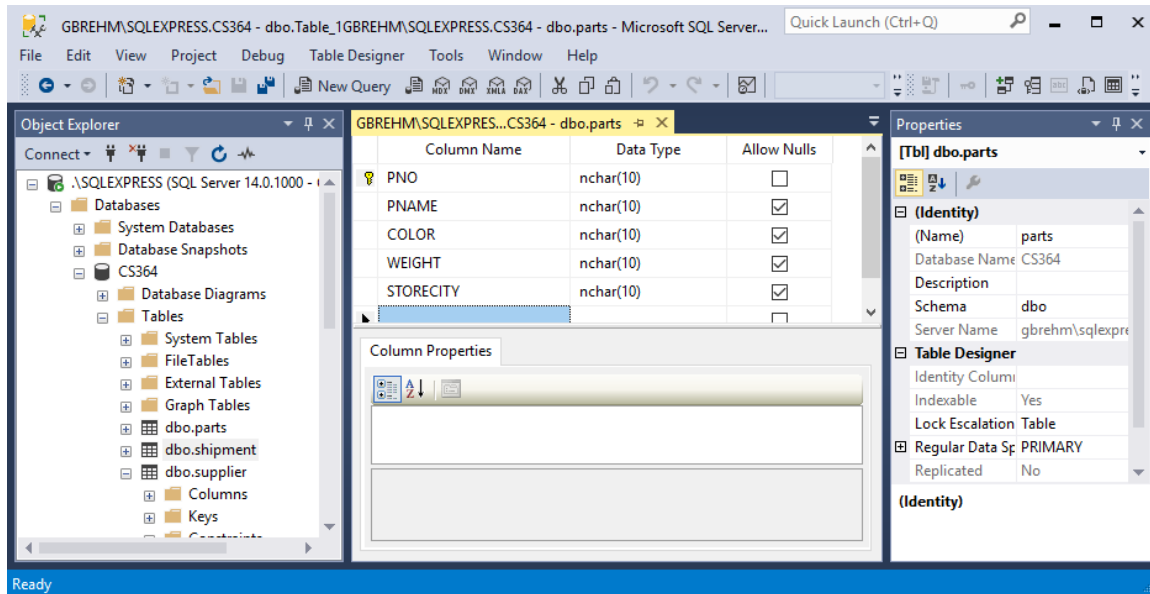
### Part II

#### Screen Dumps:

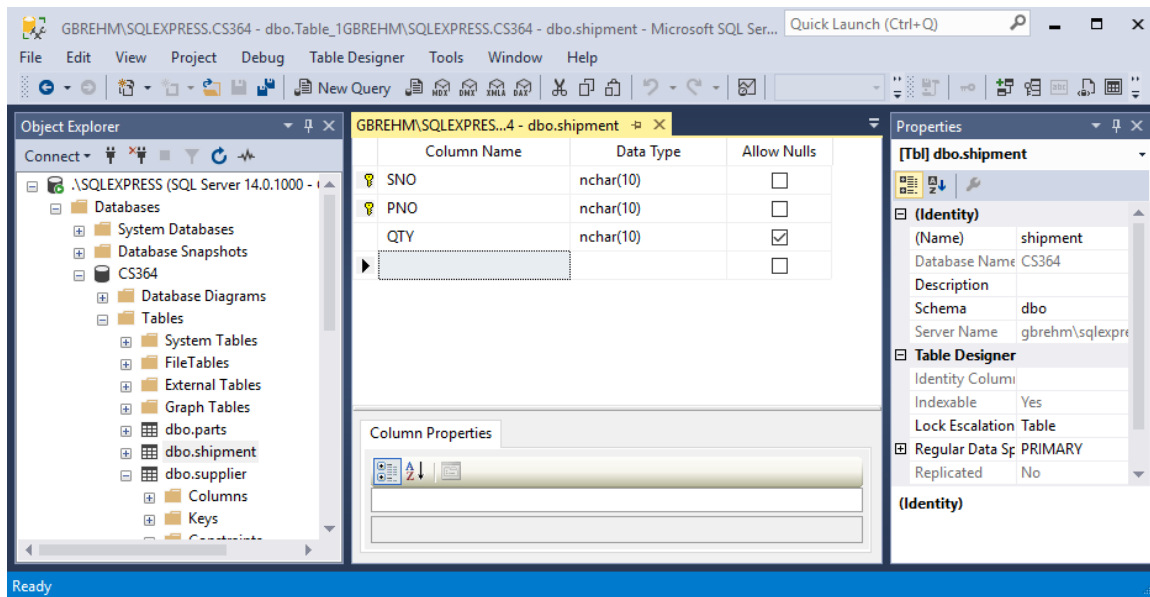
- The supplier table



- The parts table



- The shipment table



- The result of querying `SELECT * FROM supplier;`

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The query editor displays the query `SELECT * FROM supplier;`. The results pane shows a table with 5 rows and 4 columns: SNO, SNAME, STATUS, and CITY. The status bar indicates 5 rows returned.

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

- The result of querying `SELECT * FROM parts;`

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The query editor displays the query `SELECT * FROM parts;`. The results pane shows a table with 6 rows and 5 columns: PNO, PNAME, COLOR, WEIGHT, and STORECITY. The status bar indicates 6 rows returned.

PNO	PNAME	COLOR	WEIGHT	STORECITY
P1	Nut	Red	12	London
P2	Bolt	Green	17	Paris
P3	Screw	Blue	17	Rome
P4	Screw	Red	14	London
P5	Cam	Blue	12	Paris
P6	Cog	Red	19	London

- The result of querying `SELECT * FROM shipment;`

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The central pane shows the results of the query `SELECT * FROM shipment;` in a table format. The table has three columns: SNO, PNO, and QTY. The results are as follows:

	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

The left pane shows the Object Explorer with the database structure of CS364, including System Databases, Database Snapshots, Database Diagrams, Tables, System Tables, FileTables, External Tables, Graph Tables, dbo.parts, Columns, Keys, Constraints, Triggers, and Indexes. The right pane shows the Properties window with connection parameters and status information.