

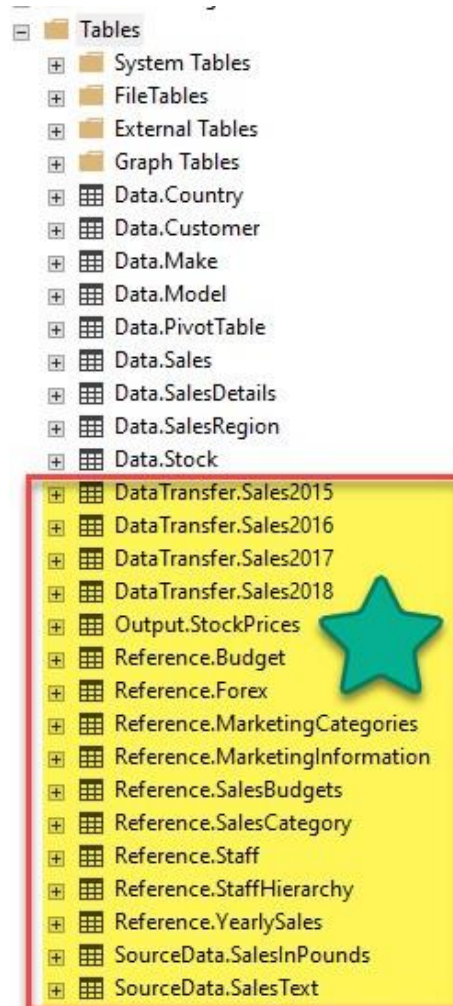
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Project overview to convert Prestige Cars into a Normalized Database

1. You will add or subtract columns to any of the tables in this database
 2. You create a table called Process.WorkflowSteps
 3. Upload the final design and implementation into your database as backup file (.bak)
 4. Create one PowerPoint with voice annotation describing the work and design decisions.
 - a. Have detailed sections describing the sub topics below:
 - i. Creating UDT (user defined datatypes) for one or more application columns in the database. All columns must be based upon a UDT. Explain how the UDT is being reused and why you choose this datatype. Attached is an extract of the UDT's used in the Northwinds Database as an example to assist you in your design of this new database.
 - ii. Create constraints in each of the tables for a provide high data integrity.
 1. Default values
 2. Required or optional
 3. Unique columns
 4. Business rule validations implemented
- Review your data cleansing strategy and handling of data anomalies

- iv. Create views and Inline table valued functions. (**Candidates highlighted in Yellow**) and eliminate them from the database as physical tables.



- v. Explain how the Redgate tools were helpful in your productivity (i.e., SQL Prompt, SQL doc, SQL Compare, etc.)
5. Create a PowerPoint with voice annotation describing the work

Project tracking for your group

1. Track the individual deliverables by original due date and revise due by with notes explaining the delay.

	A	B	C	D	E	F	G	H						
1	To-do list													
2														
3	To be completed by:					Name								
4	Deadline:					Date								
5														
6	Project 1													
7	% done	▼	Phase	▼	Start By	▼	Original Due By	▼	Revised Due By	▼	Number Of Days	▼	Revision Notes	▼
8	<div></div> 100%		Planning											
9	<div></div> 75%		Preparation											
10	<div></div> 50%		Task a											
11	<div></div> 25%		Task b											
12	<div></div> 0%		Task c											
13	<div></div> 0%		Task d											
14	<div></div> 0%		Paperwork											
15	<div></div> 0%		Hand-off											
16	<div></div> 0%		Follow-up											

Create a voice annotated PowerPoint presentation describing your project lifecycle

1. Document your data cleansing issues. What were the anomalies identified and what you did to correct them?
2. Your naming conventions for columns, tables and schema names for separation of your SQL objects in the ERD.
3. Include in the PowerPoint as a section dedicated to explaining your hierarchy and reuse of self-documenting User defined Datatype names for all of the columns in your database.

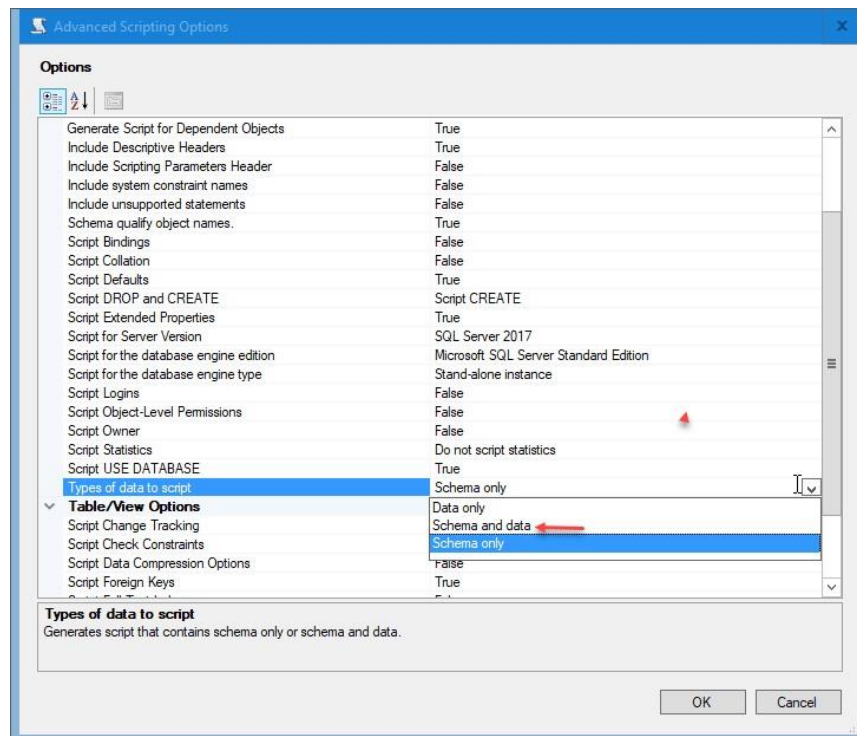
4. Identify constraints used in your design to provide better data integrity and their purpose.
5. Document your index design decisions for Primary Keys and alternate indexes with an explanation of why you choose those alternate indexes for your application.

Do a detailed walkthrough of your database design

- a. Do a detailed walkthrough of your database design. Create a Physical Data Model (PDM) that explains all of the Tables and foreign keys with their cardinality.
 - i. Isolate table and foreign key relationships in subject areas.
 - ii. Show the User Defined Datatypes as part of the PDM.

Add anything additional that will enhance your presentation to separate your group from the other groups

6. Add anything additional that will enhance your presentation to separate your group from the other groups.



- a. Create a backup of your final database solution

- vi. (ClassTimeLastNameFirstNameNameBIClass.bak)
- vii. Add files that pertained to the work in step “Create a voice annotated PowerPoint presentation describing your project lifecycle”.