	Practices for Lesson 18: Generating Your Database
	Chapter 18
Practices for Lesson 18: Generating Your Database	

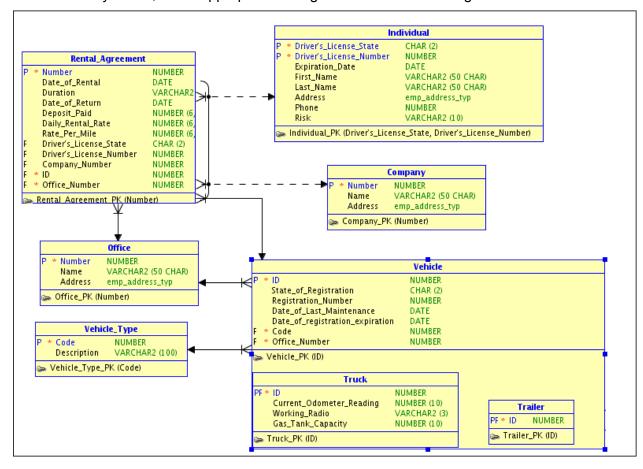
Practice 18-1: Generate DDL

Task

In this practice, you generate the DDL for your database by using the model from the last practice (Practice 17-1).

Keep the following in mind:

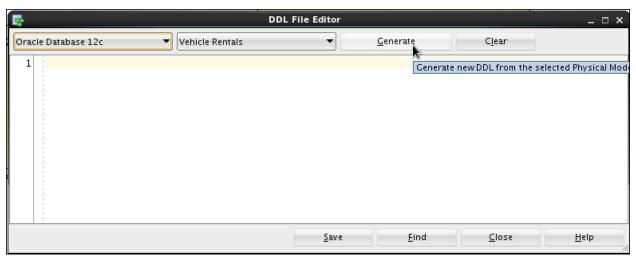
- Every table must have a prefix of ∇_.
- If there are any errors, make appropriate changes to the model and regenerate the DDL.



Solution 18-1: Generate DDL

The following is one possible solution to this practice.

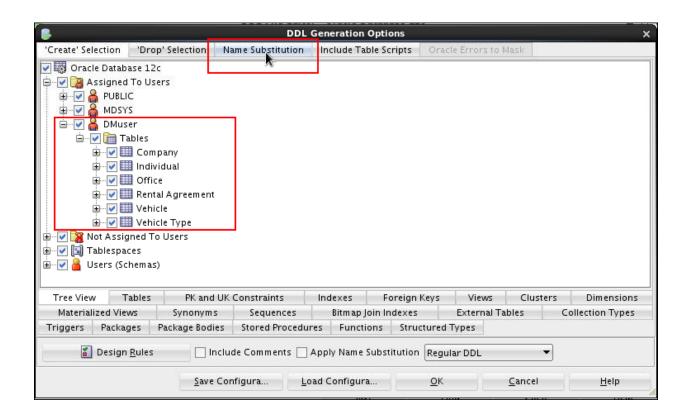
- 1. Open the solution to practice 17-1 (sol_17_01.dmd) or use your completed work from Practice 17-1.
- 2. Delete the Truck and the Trailer tables.
- 3. Click the **Generate DDL** icon. The **DDL File Editor** dialog box is displayed.
- 4. Make sure that **Oracle Database 12c** is selected, and then click **Generate**.



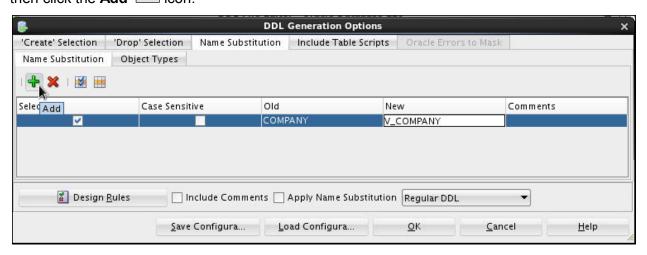
 Expand Assigned To Users > DMuser > Tables to see the list of tables that will be generated. Click the Name Substitution tab. The DDL Generation Options dialog box is displayed.

Note: If you do not see **Assigned Users** in the **DDL Generation Options** dialog box, exit the dialog box, and then perform the following steps:

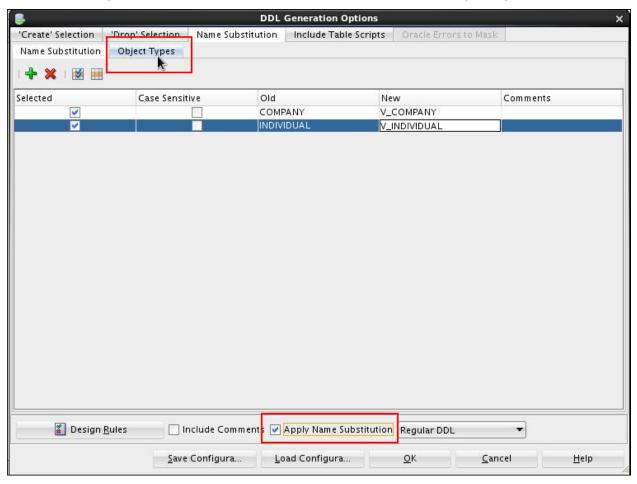
In Object Browser, expand Relational Models > Vehicle Rentals > Physical Models > Oracle Database 12c. If the Oracle Database 12c node does not have a "+" sign next to it, right-click it, and then select Open from the pop-up menu. Next, go back and re-do the steps starting with step 3.



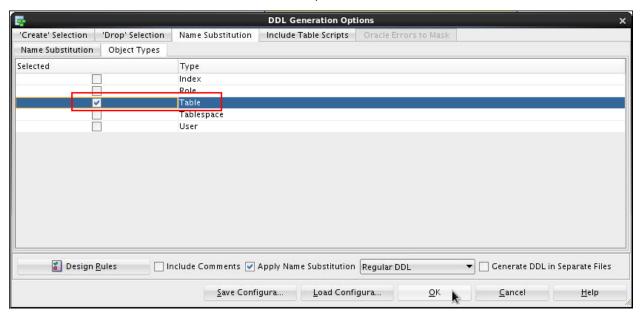
- 6. You want the Company and Individual tables to be generated with a V_ prefix. Click the Add icon.
- 7. Click the Selected check box and enter COMPANY for **Old** and V_COMPANY for **New**, and then click the **Add** icon.



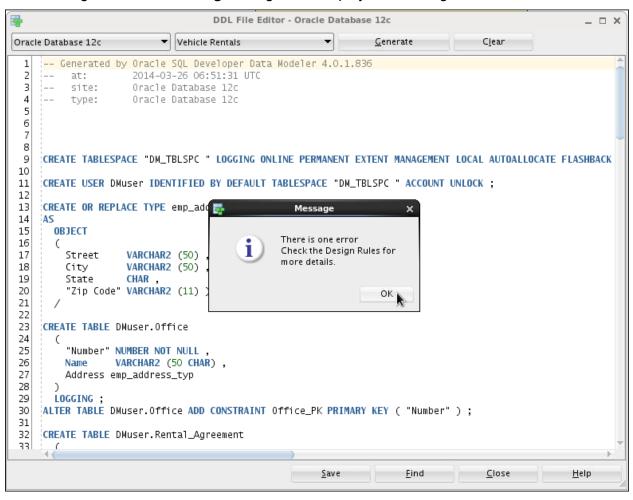
8. Click the Select check box, and enter INDIVIDUAL for **Old** and V_INDIVIDUAL for **New**. Select the **Apply Name Substitution** check box, and then click the **Object Types** tab.



9. Make sure that the **Table** check box is selected, and then click **OK**.

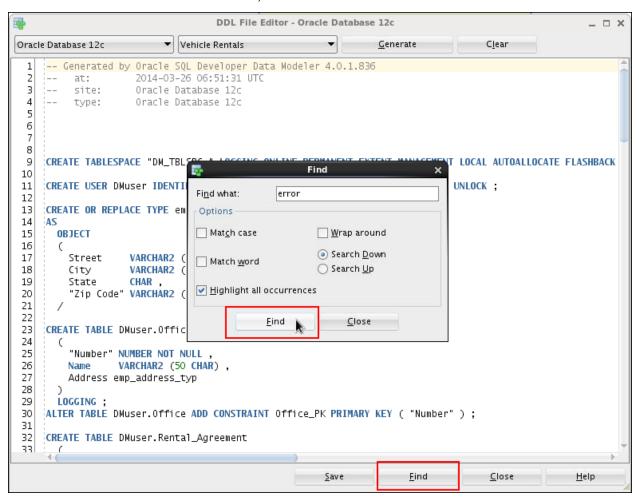


10. The DDL is generated. A Message dialog box is displayed indicating one error. Click OK.

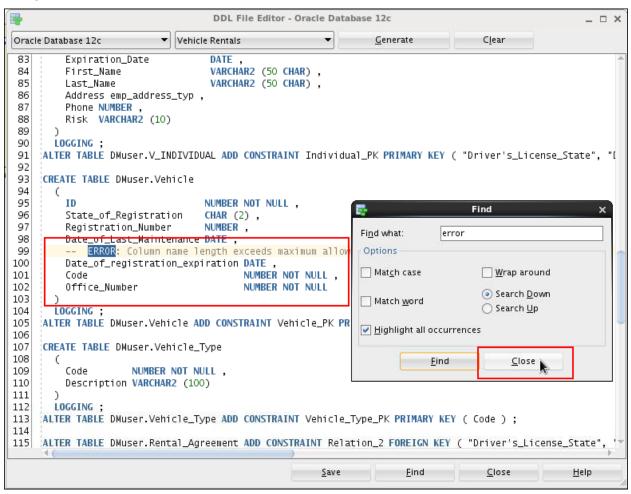


11. You can search for the error. Click the **Find** button.

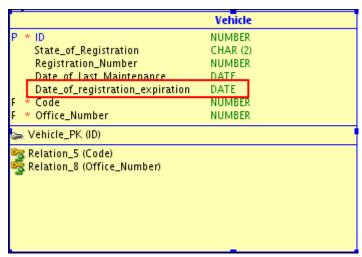
12. Enter error in the Find what text box, and then click Find.

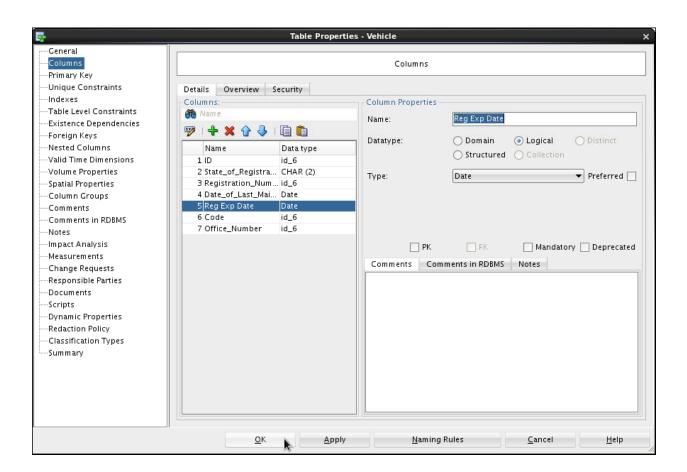


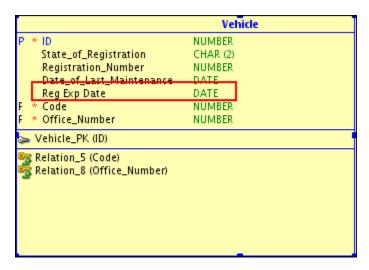
13. The error is displayed. It is due to a column length being too long. Click **Close** in the **Find** dialog box.



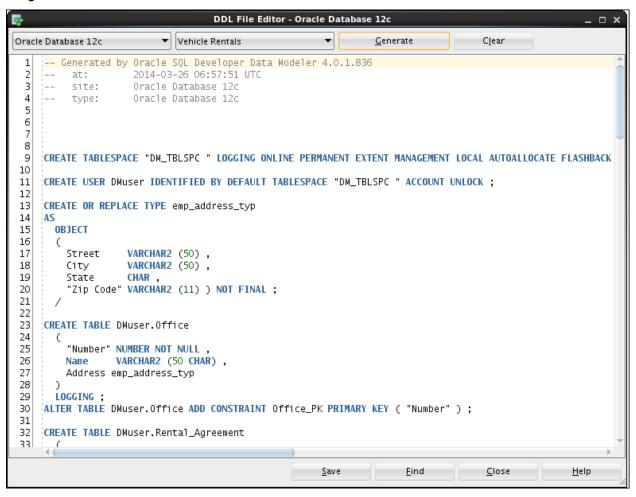
- 14. Click Close again.
- 15. Go back to your relational model and change the name of the column for Date of registration expiration in the Vehicle table to Reg Exp Date.







16. Regenerate the DDL. This time there are no errors.



17. Verify that the Company and Individual tables have the V prefix.

