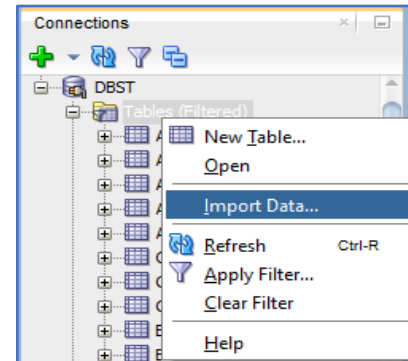


Import Data Using SQL Developer

Test import of “RischertCourseTable.xls” into single
table

Data Import Wizard – Step 1 of 5

1. Right click on “Tables” in the connection you’re working on (in this example, the connection name is “DBST”)
2. Click **Import Data**



Data Import Wizard - Step 1 of 5

Data Preview

Import Data File: D:\JMUC\DBST 652\Data Sets\RischertCourseTable.csv Browse...

File Format

☒ Header After Skip Skip Rows: 0

Format: csv ☒ Preview Row Limit: 100

Encoding: Cp1252

Delimiter: , Line Terminator: standard: CR LF, CR or LF

Left Enclosure: " Right Enclosure: "

File Contents

COURSE_NO	DESCRIPTION	COST	PREREQUIS...	CREATED_BY	CREATED_D...	MODIFIED_BY	MODIFIED_...
10	Technology ...	1195		DSCHERER	29-MAR-07	ARISCHER	05-APR-07
20	Intro to Info...	1195		DSCHERER	29-MAR-07	ARISCHER	05-APR-07
25	Intro to Pro...	1195	140	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
80	Programmin...	1595	204	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
100	Hands-On ...	1195	20	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
120	Intro to Jav...	1195	80	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
122	Intermediat...	1195	120	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
124	Advanced J...	1195	122	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
125	Java Develo...	1195	122	DSCHERER	29-MAR-07	ARISCHER	05-APR-07

Help < Back Next > Finish Cancel

3. “Browse” to the file you want to import (can be CSV, XLS/XLSX or delimited text file)
4. Click **Next**

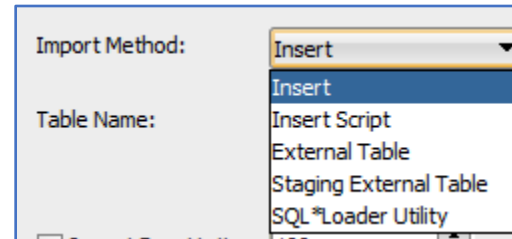
Data Import Wizard – Step 2 of 5

5. **Import Method** for this tutorial is “Insert”

NOTE that you can use “SQL*Loader Utility” for a different method of uploading data

6. Give your imported table a name.

7. Click **Next**



Data Import Wizard - Step 2 of 4

Import Method

Select the method for importing data. For External Table method, an external table will be created to read the data in the file. For Staging External Table method, an external table will be created as a staging table for importing the target table. For other methods, a new table is created and the data is imported.

Import Method: Insert

Table Name: RischertCourse

☐ Send Create Script to SQL Worksheet

☐ Import Row Limit: 100

File Contents

COURSE_NO	DESCRIPTION	COST	PREREQUIS...	CREATED_BY	CREATED_D...	MODIFIED_BY	MODIFIED_...
10	Technology ...	1195		DSCHERER	29-MAR-07	ARISCHER	05-APR-07
20	Intro to Info...	1195		DSCHERER	29-MAR-07	ARISCHER	05-APR-07
25	Intro to Pro...	1195	140	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
80	Programmin...	1595	204	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
100	Hands-On ...	1195	20	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
120	Intro to Jav...	1195	80	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
122	Intermediat...	1195	120	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
124	Advanced J...	1195	122	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
125	Java Develo...	1195	122	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
130	Intro to Unix	1195	310	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
132	Basics of Uni...	1195	130	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
134	Advanced U...	1195	132	DSCHERER	29-MAR-07	ARISCHER	05-APR-07
135	Unix Tips an...	1095	134	DSCHERER	29-MAR-07	ARISCHER	05-APR-07

Help < Back Next > Finish Cancel

Data Import Wizard – Step 3 of 5

8. All columns are selected by default. Deselect any you don't want
9. Click **Next**

Data Import Wizard - Step 3 of 5

Choose Columns

Select the columns to import from the data set and arrange them in the order you want.

Available Columns

Selected Columns

COURSE_NO
DESCRIPTION
COST
PREREQUISITE
CREATED_BY
CREATED_DATE
MODIFIED_BY
MODIFIED_DATE

File Contents

COURSE_NO	DESCRIPTION	COST	PREREQUISITE	CREATED_BY	CREATED_D...	MODIFIED_BY	MODIFIED_...
10	Technology ...	1195		DSCHERER	29-MAR-07	ARISCHER	05-APR-07
20	Intro to Info...	1195		DSCHERER	29-MAR-07	ARISCHER	05-APR-07
25	Intro to Pro...	1195	140	DSCHERER	29-MAR-07	ARISCHER	05-APR-07

Help < Back Next > Finish Cancel

Data Import Wizard – Step 4 of 5

The import wizard will let you know if the column name is invalid. A red exclamation icon will be next to the column name and the “Status” will tell you what this issue is.



Status

Column name is not valid

10. Set your column characteristics
11. As you click on each **Source Data Column**, the entry will turn to bold and not italic
12. Click **Next** when done

If you have a “Date” data type, you’ll need to specify the “Format” so the import tool knows how your date data should be read

Data Import Wizard - Step 4 of 5

Column Definition

To map file data, for each column on left, define the column details of the database table that will be created to import this data into.

Source Data Columns

- COURSE_NO**
- DESCRIPTION
- COST
- PREREQUISITE
- CREATED_BY
- CREATED_DATE
- MODIFIED_BY
- MODIFIED_DATE

Target Table Columns

Name:

Data Type:

Size/Precision:

Scale:

☒ Nullable? Default:

Comment:

Data

10
20
25
80
100
120
122
124

Status

Help < Back **Next >** Finish Cancel

Target Table Columns

Name

Data Type

Format

☒ Nullable? Default

Comment

For character strings, the tool will give you several numbers as suggested widths. You can pick one or enter your own.

Target Table Columns

Name

Data Type

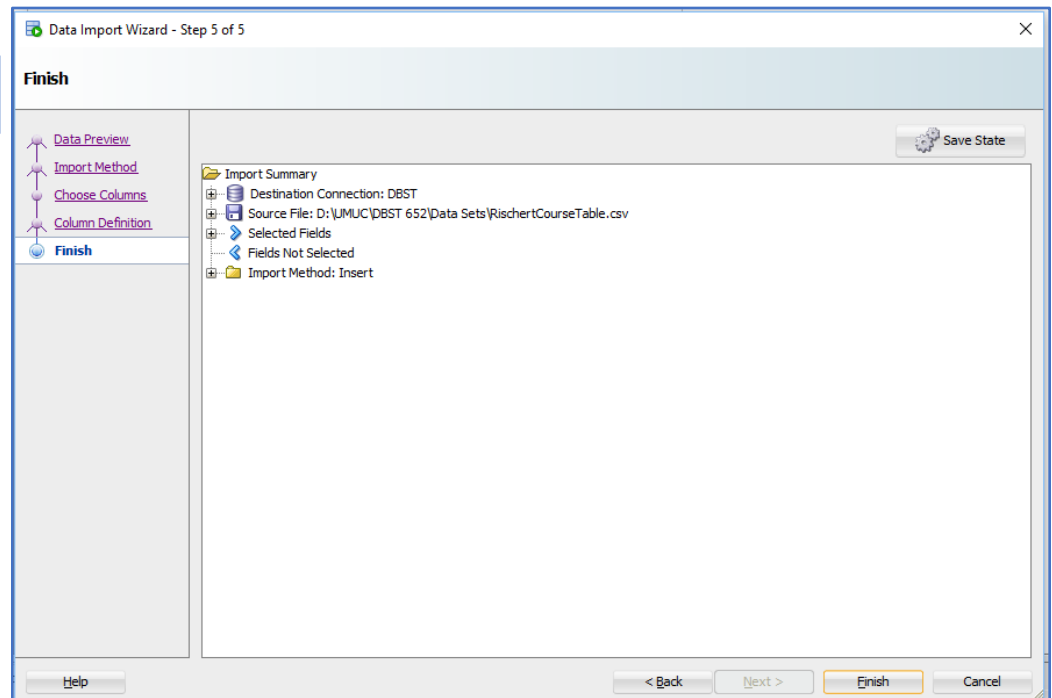
Size/Precision

☒ Nullable?

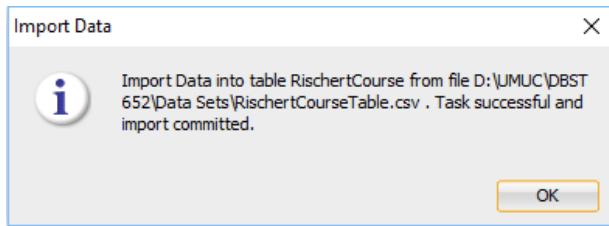
Comment

Data Import Wizard – Step 5 of 5

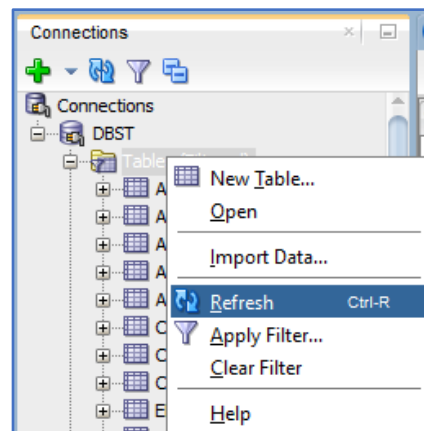
13. Click **Finish**



14. Click **OK**



15. Right click on **Tables** and click **Refresh**



16. Look for your new table

