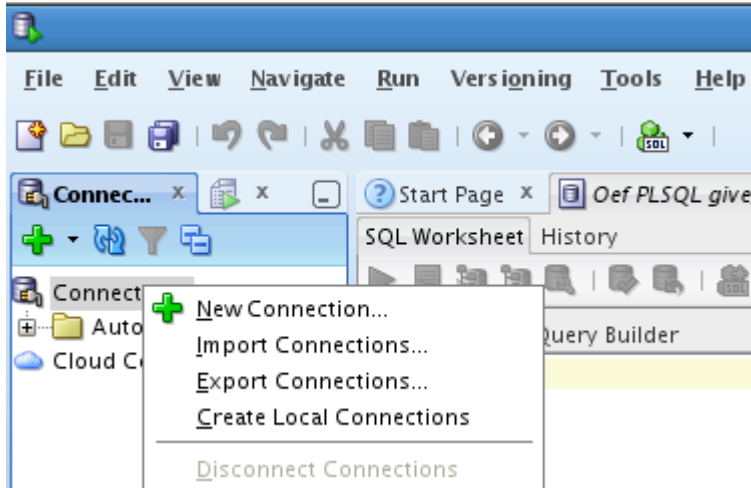

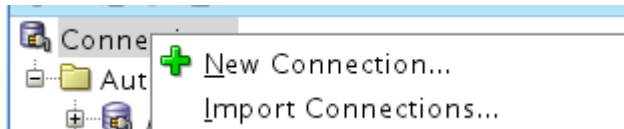


## Database Training

- 1 Open SQL Developer (either in the virtual machine or via Oracle Express 11g)
- 2 Start SQL Developer (In the virtual machine, do not use Applications > Programming > SQL Developer: This doesn't work)
- 3 Right click on Connections. Choose Create Local Connections



- 4 Click on the + voor Auto-Generated Local Connections
- 5 Right click on / as sysdba. Choose Open SQL Worksheet
- 6 Open the file createSchema.sql using Notepad
- 7 Copy the entire content to the SQL Worksheet
- 8 To execute the SQL code, click on 1 of both buttons 
- 9 Right click on Connections
- 10 Choose New Connection ...



- 11 Use the following settings
  - Connection Name: TRAINING
  - Username: student
  - Password: oracle

**New / Select Database Connection**

Connection ...	Connection ...
/ as sysdba	@
APEX_PUBLI...	APEX_PUBLI...
CACHEADM	CACHEADM@
DEMO	DEMO@
HR	HR@
HR1	HR1@
HR_TRIG	HR_TRIG@
OBE	OBE@
OE	OE@
OE1	OE1@
PHPDEMO	PHPDEMO@
PLS	PLS@
SCOTT	SCOTT@
SYSTEM	SYSTEM@
system-orcl	system@//lo...
TTHR	TTHR@
XFILES	XFILES@

Connection Name: TRAINING  
 Username: student  
 Password: .....  
☐ Save Password

**Oracle** TimesTen

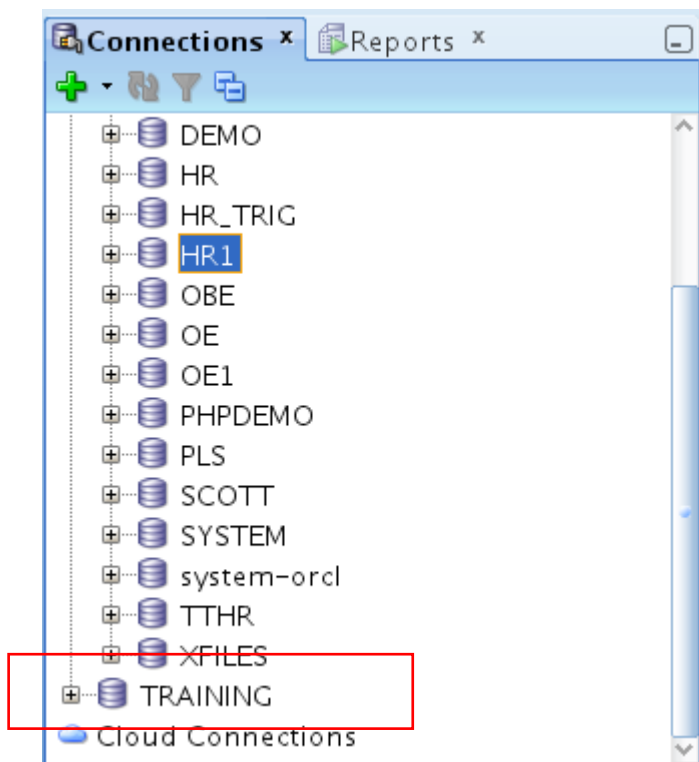
Connection Type: Basic Role: default

Hostname: localhost  
 Port: 1521  
☒ SID: xe  
☐ Service name:   
☐ OS Authentication ☐ Kerberos Authentication ☐ Proxy Connection


Status :

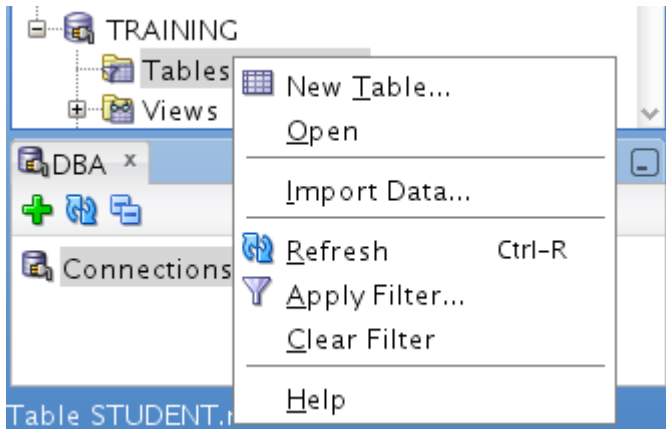
Help Save Clear Test Cancel

- 12 Click on the button Test. If you get an ORA-12505 error, change SID from xe to orcl
- 13 If the test succeeds, click on the button Save. Close the window afterwards



- 14 Right click on TRAINING. Choose Open SQL Worksheet
- 15 Open the file createTraining.sql using Notepad. Take a look at the SQL code to make sure that you understand what you are doing.
- 16 Copy the entire content to the SQL Worksheet
- 17 To execute the SQL code, click on 1 of both buttons

- 18 Open the file fillTraining.sql using Notepad
- 19 Copy the entire content to the SQL Worksheet. Remove the previous content.
- 20 To execute the SQL code, click on 1 of both buttons 
- 21 If you get any errors, you can show the line numbers
  - Choose Tools > Preferences > Code Editor > Line Gutter > Show Line Numbers
- 22 Check the content of the database.
  - Right click on Tables > choose Refresh



- Double click on one of the tables. You get the Columns.
- You can click on Data / Constraints / ... at the top

Columns   Data   Constraints   Grants   Statistics   Triggers   Flashback   Dependencies   Details   Partitions   Indexes   SQL						
Actions...						
	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	COURSEID	VARCHAR2(4 BYTE)	No	(null)	1 (null)	
2	DESCRIPTION	VARCHAR2(50 BYTE)	No	(null)	2 (null)	
3	TYPE	CHAR(3 BYTE)	No	(null)	3 (null)	
4	LENGTH	NUMBER(2,0)	No	(null)	4 (null)	