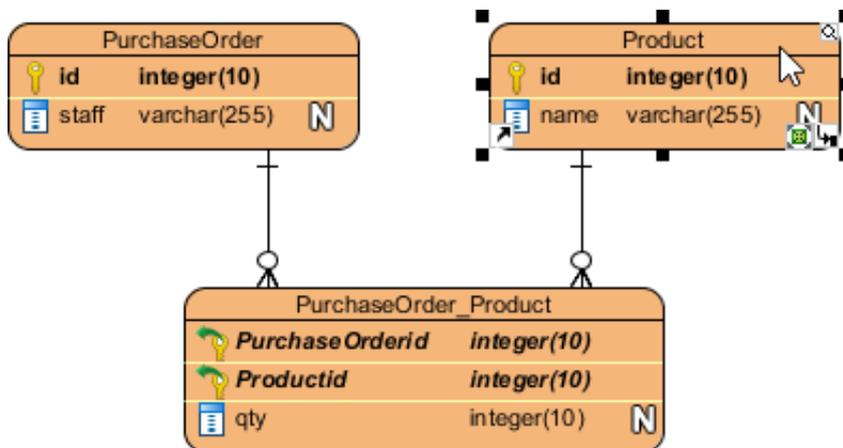

Entering sample table records for entities

Visual Paradigm allows you to design your database with [Entity Relationship Diagram \(ERD\)](#) and finally generate the design to database as database schema. On top of the schema that will be generated, you can also specify default data to add to database upon database generation. Please note that although you can specify default data for conceptual, logical and physical data model, only entities under physical data model will be considered in database generation.

Entering default data

Default data has to be entered in the table record editor. To enable the editor, right click on the background of your ERD and select **Show Table Record Editor or View Editor** from the popup menu.

Then, select in diagram the entity you want to enter its default data.



Enter the data in the editor. Double click on a cell to start editing. Click **Enter** to end editing.

Data of Product	
id (PK)	name
1	Shampoo (500 ml)
2	Battery (AAA)
3	Snack Pack
4	Magazine

Selecting foreign key value

To select a foreign key value, click on the cell to popup the drop down menu and select the value from the menu.

Data of PurchaseOrder_Product

PurchaseOrderid (PK+FK)	Productid (PK+FK)	qty
1	(NULL)	(NULL)
	(NULL)	
	1	
	2	
	3	
	4	

Sometimes, you may be uncertain to what the foreign values represent. You can click on the ... button to show the additional pane and select the proper record from the pane.

Select foreign key from Product

id (PK)	name
1	Shampoo (500 ml)
2	Battery (AAA)
3	Snack Pack
4	Magazine

Data of PurchaseOrder_Product

PurchaseOrderid (PK+FK)	Productid (PK+FK)	qty
1	(NULL)	(NULL)

Select value

Removing a record

To remove a record, select the record you want to remove and click  at the top right of the editor.

Validating records

Record validation helps to verify the correctness of entered data. To validate, click  at the top right of the editor.

If anything wrong is detected, the **Message** pane will popup and a message will appear in it.

 [13:21:18] Productid : Column cannot be null

 [13:21:18] Validation completed.

Generating default data

In order for the sample records to be exported to database in database generation, you have to set the **Generate Sample Data** option in the **Database Code Generation** window.

The screenshot shows a software interface with a 'Database' tab. The 'Generate Sample Data' dropdown menu is open, displaying three options: 'No', 'Yes (With Auto Generated PK)', and 'Yes (Without Auto Generated PK)'. A mouse cursor is positioned over the 'No' option. Other visible options include 'Generate Database' (Create Database), 'Schema' (<All>), 'Export to database' (checked), 'Generate DDL' (checked), 'Generate Comment' (checked), 'Upper Case SQL' (checked), 'Formatted SQL' (unchecked), 'Header' (button), 'Generate Individual DDL' (checked), and 'Separate Create/Drop DDL' (unchecked). Other settings include 'Quote SQL Identifier' (No), 'Column Order' (Yes (Without Auto Generated PK)), 'DDL Extension' (.ddl), 'Connection Provider Class' (ce.jdbc.connections.internal.C3P0ConnectionProvider), and 'Connection' (JDBC).

Here is a description of the available choices:

- No - Not to generate sample table records
- Yes (With Auto Generated PK) - Generate sample table records. For primary keys, the value you entered in sample table records editor will be used.
- Yes (Without Auto Generated PK) - Generate sample table records. For primary keys, the value you entered in sample table records editor will be ignored, leaving the DBMS handle the generation of primary key.