

## Manipulating Table Data in the Table Editor

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You can add, remove and modify table records by running SQL statements [in the Database console](#) or [in the editor](#). You can also edit the records retrieved from tables [in the Results pane](#).

Besides these facilities, IntelliJ IDEA also features the Table Editor which provides a graphical interface for manipulating table data.

The Table Editor is available only for [DB data sources](#).

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### Opening a table in the table editor





1. In the [Database tool window](#), select the table of interest.
2. Do one of the following:
  - Press F4.
  - Select  **Table Editor** from the context menu.

As a result, the table opens in the [Table Editor](#) on a separate editor tab.

### Navigating through the ranges of table rows


For tables containing many records, normally, not all but only a certain number of rows is shown at a time. This fixed number of rows displayed simultaneously is referred to as a page.

To navigate through the pages, use the following toolbar buttons, context menu commands, or keyboard shortcuts:

-  **First Page**. Go to the first of the pages.
-  **Previous Page** (Alt+Ctrl+Up). Go to the previous page.
-  **Next Page** (Alt+Ctrl+Down). Go to the next page.
-  **Last Page**. Go to the last of the pages.

## Showing and hiding table columns


Do one of the following:

- Right-click the header row, and then click the name of the column which you want to hide or show.
- Click  **Filters and Ordering** on the toolbar of the Table Editor, or press **Ctrl+F12**.

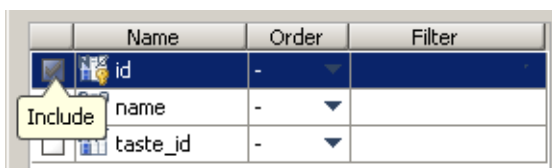
In the **Filters and Ordering dialog**, use the check boxes in the first (leftmost) column to control visibility of the table columns.

## Sorting and filtering data

1. Do one of the following:

- Press **Ctrl+F12**.
- Click  **Filters and Ordering** on the toolbar of the Table Editor.
- Select **Filters and Ordering** from the context menu.

The **Filters and Ordering dialog** that opens shows the list of table fields.




	Name	Order	Filter
<input type="checkbox"/>	id	-	
<input type="checkbox"/>	name	-	
<input type="checkbox"/>	taste_id	-	

2. Use the check boxes in the first (leftmost) column to specify which fields should be shown or hidden. (The fields next to the check boxes that are not selected will be hidden.)
3. You can have the records sorted by one or more visible fields. Use the lists in the **Order** column to define how the data should be ordered.

The hyphens (-) mean that no ordering rules are specified for the corresponding fields.

**asc** stands for ascending, **desc** - for descending.

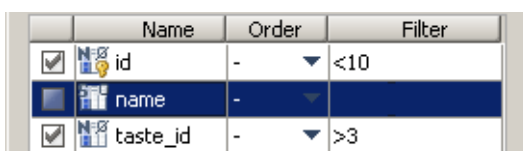
The number in front of **asc** or **desc** means the ordering priority.



	Name	Order	Filter
<input type="checkbox"/>	id	1 desc	<30
<input checked="" type="checkbox"/>	name	-	
<input checked="" type="checkbox"/>	taste_id	2 desc	>2

4. Use the **Filter** column to specify conditions for filtering the records. You can specify filtering conditions for several fields.


To define a filtering condition for a field, double-click the **Filter** cell next to the field name, type the condition, and then click a different cell or press **Enter**.




	Name	Order	Filter
<input checked="" type="checkbox"/>	id	-	<10
<input type="checkbox"/>	name	-	
<input checked="" type="checkbox"/>	taste_id	-	>3

5. Click **OK** in the **Filters and Ordering** dialog to apply the specified settings to the table.

## Editing fields and uploading files

1. To start editing a field, double-click the corresponding table cell.
2. Edit the cell contents. To do that, you have the following options:
  - Modify the data right in the cell. To save the changes, press **Enter**.
  - Click  or press **Shift+Enter** to open the **Enter text data or choose file** dialog. In this dialog you can:
    - Make the necessary edits in the upper area.
    - Upload a file into the field. To do that, click **Browse** and select the desired file in the **Choose Path** dialog.
    - Insert `null` into the field (click **Null**).
3. To leave the editing mode, click a different cell or press **Escape**.


## Adding a record to a table

1. Do one of the following:
  - Press **Alt+Insert**.
  - Click  **Add New Row** on the toolbar of the Table Editor.
  - Select **Add New Row** from the context menu.
2. Fill in the fields. Use the **Enter** or the **Tab** key to indicate the end of your input in the current cell and move on to the next cell. The new record is saved when you press **Enter** or **Tab** in the last of the cells.



## Deleting records

1. Select the row or rows that you want to delete. To do that:
  - If you are going to delete one row, select any of the cells within the corresponding row.
  - If you are going to delete a range of rows, select one or more cells in each of the corresponding rows.

You can select only the rows that follow one another.


2. Do one of the following:
  - Press **Ctrl+Y**.
  - Click  **Delete Selected Rows** on the toolbar of the Table Editor.
  - Select **Delete Selected Rows** from the context menu.
3. Confirm your intention to delete the selected row or rows by clicking **OK** in the corresponding dialog.

## Setting the number of rows to display simultaneously

1. Do one of the following:
  - Click  **Properties** on the toolbar of the Table Editor.
  - Select **Properties** from the context menu.
2. In the **Table Editor Properties dialog**, select the **General** tab.
3. In the **Page Size** field, specify the number of rows to display simultaneously. For all table rows to be shown at the same time, type zero.
4. Click **OK**.
5. Optionally, if you want to apply the new page size setting to the current table view, do one of the following:
  - Press **Ctrl+R**.
  - Click  **Reload Page** on the toolbar of the Table Editor.
  - Select **Reload Page** from the context menu.

## Specifying data export format

The data export format is the format of data copied from a table to the clipboard. To define this format:


1. Do one of the following:
  - Click  **Properties** on the toolbar of the Table Editor.
  - Select **Properties** from the context menu.
2. In the **Table Editor Properties dialog**, select the **Data Export** tab.
3. In the **String Quotation** fields, specify the characters that should be used to enclose the exported string values.

The characters preceding and following the string values may be different. That's why two separate fields are provided.

4. In the **Values Separator** field, specify the character or characters to be used to separate exported values.
5. If you want to include the table header (column names) in exported data, select the **Include Table Header** check box.
6. If you want to include the row numbers in exported data, select the **Include Row Number** check box.
7. Click **OK**.

## Copying table data to the clipboard

You can copy the data contained in selected table fragments to the clipboard. To do that:


1. Select the table fragment of interest. This may be a cell, a row, a range of cells or rows, or all rows currently shown.
2. Do one of the following:
  - Press **Ctrl+C** or **Ctrl+Insert**.
  - Click  **Copy** on the toolbar of the Table Editor.
  - Select **Copy** from the context menu.

As a result, the selected data are copied to the clipboard. The data format corresponds to the **data export format** currently specified.

## Copying queries to the clipboard


You can copy the SQL statement that resulted in generating the current table view to the clipboard.

Do one of the following:

- Press **Shift+Alt+Ctrl+C**.
- Click  **Copy Query** on the toolbar of the Table Editor.
- Select **Copy Query** from the context menu.

## Saving large objects (lobs) in files

You can save large objects (**LOBs**) stored in database tables in local files. To do that:


1. Select the cell containing the large object of interest.
2. Do one of the following:
  - Click  **Save LOB As** on the toolbar of the Table Editor.
  - Select **Save LOB As** from the context menu.
3. In the **Select File to Save** dialog:
  1. Specify the destination directory in the upper part.
  2. Type the name of the file **File name** field.
  3. Click **OK**.

## Refreshing a table view

You may want to refresh the view of a table in the Table Editor in order to:

- Synchronize the data shown with the actual contents of the table in the database.
- Apply the changed [page size setting](#) to the current table view.

In all such cases, use the **Reload Page** command:

- Press **Ctrl+R**.
- Click  **Reload Page** on the toolbar of the Table Editor.
- Select **Reload Page** from the context menu.