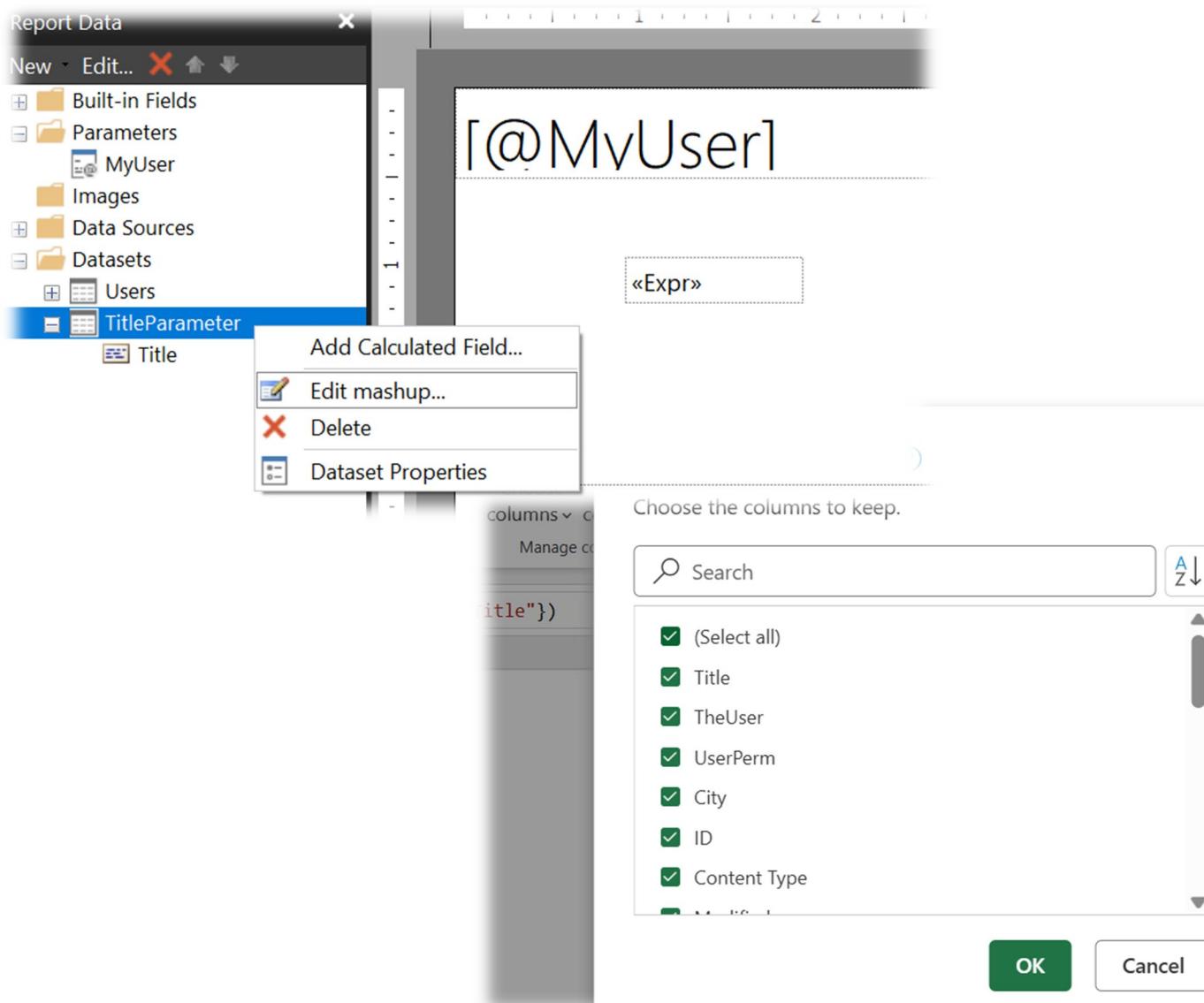
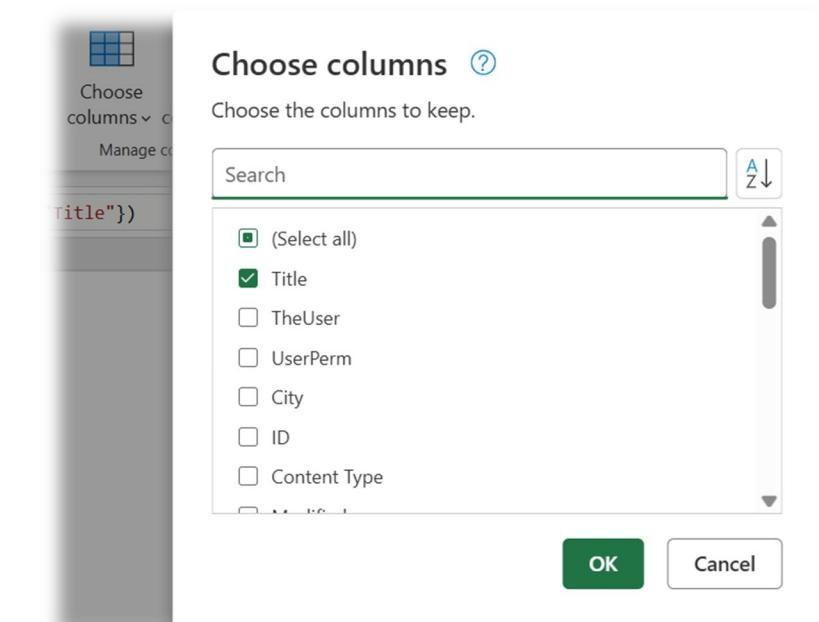


Using Dynamic Report Parameter to filter a report

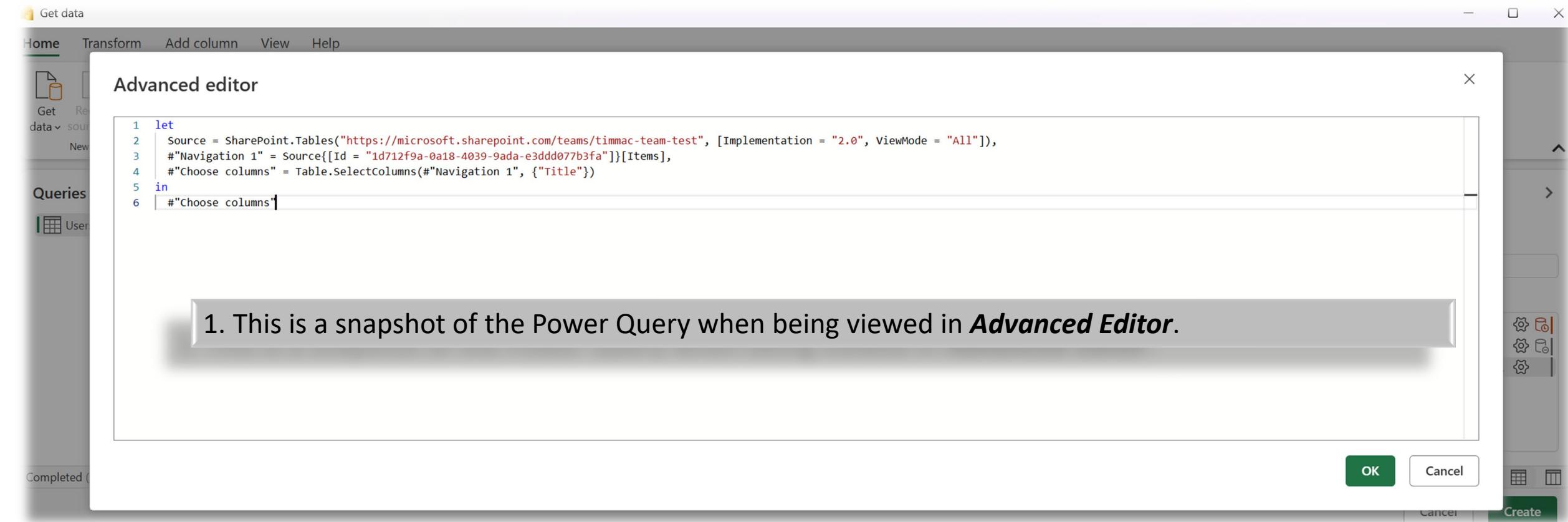
Create New Dataset



1. **Create a new dataset:** To have a Report Parameter based on dynamic data to filter the report, one will need to create a new dataset. For this sample/example, we simply connected to the same datasource and then adjusted the columns displayed in the dataset.
2. **Edit mashup** to go into Power Query.
3. On the ribbon select **Choose Columns** to open the Choose Columns dialog.
4. Deselect the **(Select all)** and then check mark the column to be used in the Report Parameter. *For this example, the column Title is being used.*
5. Click the **OK** button



Create New Dataset



The screenshot shows the Microsoft Power Query Advanced editor dialog box. The title bar says "Get data" and the main menu has "Home" selected. The left sidebar shows "Queries" and "User". The main area is titled "Advanced editor" and contains the following M code:

```
1 let
2     Source = SharePoint.Tables("https://microsoft.sharepoint.com/teams/timmac-team-test", [Implementation = "2.0", ViewMode = "All"]),
3     #"Navigation 1" = Source[[Id = "1d712f9a-0a18-4039-9ada-e3ddd077b3fa"]][Items],
4     #"Choose columns" = Table.SelectColumns(#"Navigation 1", {"Title"})
5 in
6     #"Choose columns"
```

A callout bubble with a black border and white background points to the first line of the code. The text inside the bubble is:

1. This is a snapshot of the Power Query when being viewed in ***Advanced Editor***.

At the bottom right of the dialog box are buttons for "OK", "Cancel", and "Create".

Create New Dataset

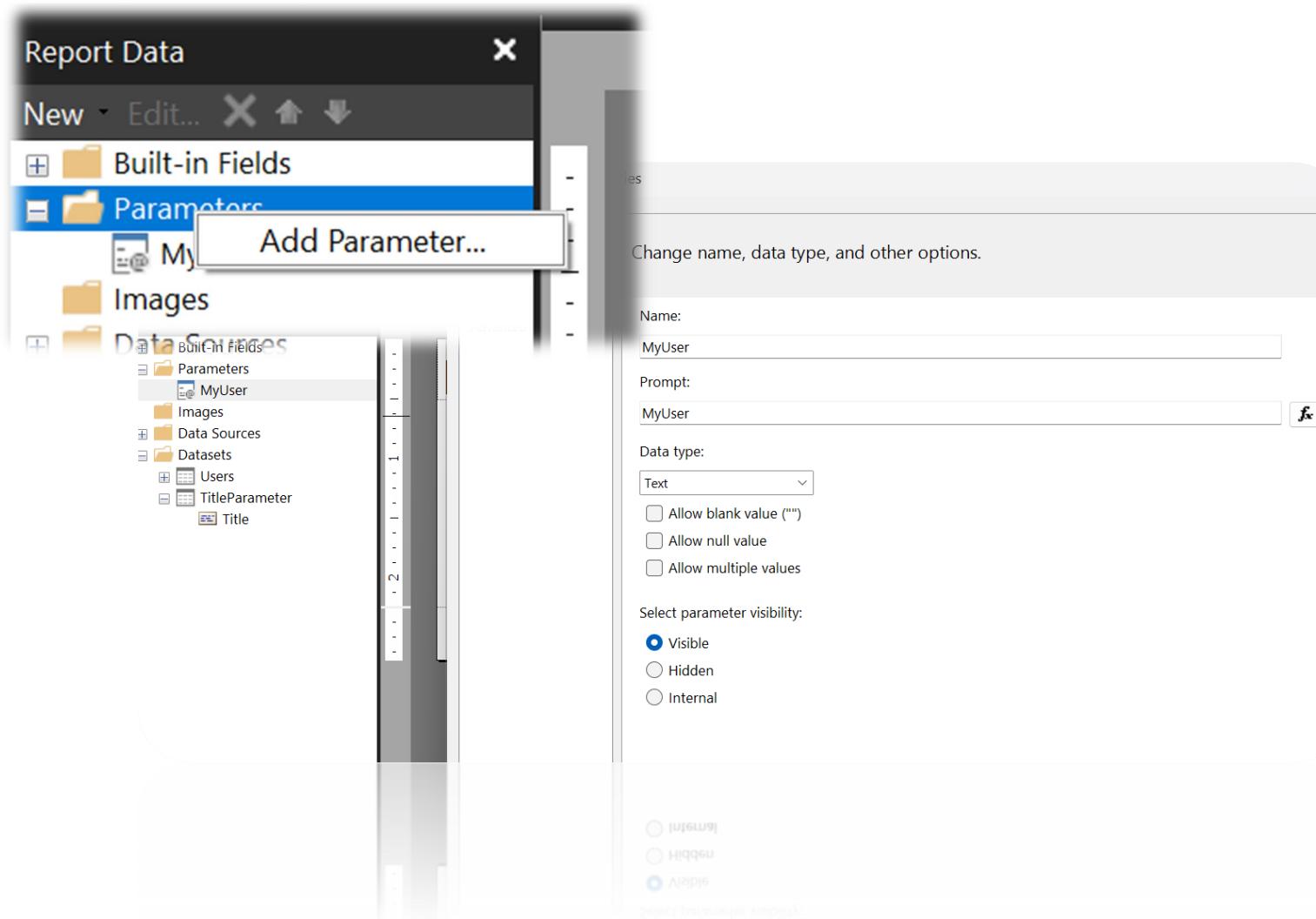
The screenshot shows the Microsoft Power BI 'Get data' interface. The top navigation bar includes 'Home', 'Transform', 'Add column', 'View', and 'Help'. Below the menu are several icons: 'New query' (down arrow), 'Manage connections', 'Options' (down arrow), 'Manage parameters' (down arrow), 'Query' (down arrow), 'Manage columns' (down arrow), 'Reduce rows' (down arrow), 'Sort' (down arrow), 'Transform' (down arrow), 'Combine' (down arrow), and 'More' (down arrow). On the left, a 'Queries [1]' pane shows a single query named 'Users' containing three rows of data:

	ABC	Title
1	Tim	
2	Brad	
3	Mike	

The 'Table.SelectColumns' step is highlighted in the 'Applied steps' section. The 'Query settings' pane on the right shows the name 'Users' and applied steps: 'Source', 'Navigation 1', and 'Choose col...'. At the bottom, the status bar indicates 'Columns: 1 Rows: 3' and the ribbon has 'Step' selected. The 'Create' button is highlighted in green.

1. Once you are ready to save the dataset, click the **Create** button.

Create Report Parameter



1. Right mouse click on Parameters and select Add Parameter
2. **Name:** Provide a Name for your Parameter
3. **Prompt:** Same as the Name of the Parameter
4. **Data Type:** Text
5. **Select Parameter Visibility:** Visible

Create Report Parameter

The screenshot shows the 'Report Parameter Properties' dialog box in Microsoft Power BI. The 'Available Values' tab is selected. The dialog title is 'Report Parameter Properties'. The main content area says 'Choose the available values for this parameter.' and 'Select from one of the following options:'. There are three radio button options: 'None', 'Specify values', and 'Get values from a query', with 'Get values from a query' selected. Below this, the 'Dataset' dropdown is set to 'TitleParameter'. Under 'Value field:', the dropdown is set to 'Title'. Under 'Label field:', the dropdown is set to 'Title'. On the left, the 'Report Data' pane shows a tree structure with 'MyUser' selected under 'Parameters'. The top ribbon shows tabs for File, Home, Data, Insert, and View.

1. **Select from one of the following options:** Get values from a query
2. **Dataset:** Name of your dataset that is holding the values for your Report Parameter.
3. **Value Field:** Name of the field to be used in the report parameter. (*This sample is using a column called "Title".*)
4. **Label Field:** Name of the field to be used in the report parameter. (*This sample is using a column called "Title".*)

Create Report Parameter

The screenshot shows the Microsoft Power BI Desktop interface. On the left, there's a 'Report Data' pane with a tree view of report components: Built-in Fields, Parameters, Images, Data Sources, Datasets, Users, TitleParameter, and Title. The 'Parameters' node is expanded, showing 'MyUser'. In the center, a 'Report Parameter Properties' dialog box is open, specifically the 'Default Values' tab. The dialog title is 'Choose the default values for this parameter.' It asks to 'Select from one of the following options:' with three radio buttons: 'No default value', 'Specify values', and 'Get values from a query', which is selected. Below this, there's a 'Dataset:' dropdown set to 'TitleParameter' with a warning about performance impact, and a 'Value field:' dropdown set to 'Title'.

Select from one of the following options:

- No default value
- Specify values
- Get values from a query

Dataset: (Warning: Possible performance impact)

TitleParameter

Value field:

Title

- 1. Select from one of the following options:** Get values from a query
- 2. Dataset:** Name of your dataset that is holding the values for your Report Parameter.
- 3. Value Field:** Name of the field to be used in the report parameter. (*This sample is using a column called "Title".*)

Create Report Parameter

The screenshot shows the Power BI Report Builder interface. On the left, the 'Report Data' ribbon is open, displaying a tree view of report components. Under 'Parameters', 'MyUser' is selected. On the right, the 'Report Parameter Properties' dialog is open, showing the 'Advanced' tab. The dialog title is 'Report Parameter Properties' and the sub-section is 'Change advanced parameter options.' It asks 'Refresh data when the parameter changes:' with three options: 'Automatically determine when to refresh' (selected), 'Always refresh', and 'Never refresh'. Below the dialog, a note states: '1. Refresh data when the parameter changes: This does not affect the solution, thus decision can be made by the *Power BI Report Builder Developer*'.

Report Data

New Edit... X

- Built-in Fields
- Parameters
 - MyUser
- Images
- Data Sources
- Datasets
 - Users
 - TitleParameter
 - Title

Report Parameter Properties

General Available Values Default Values Advanced

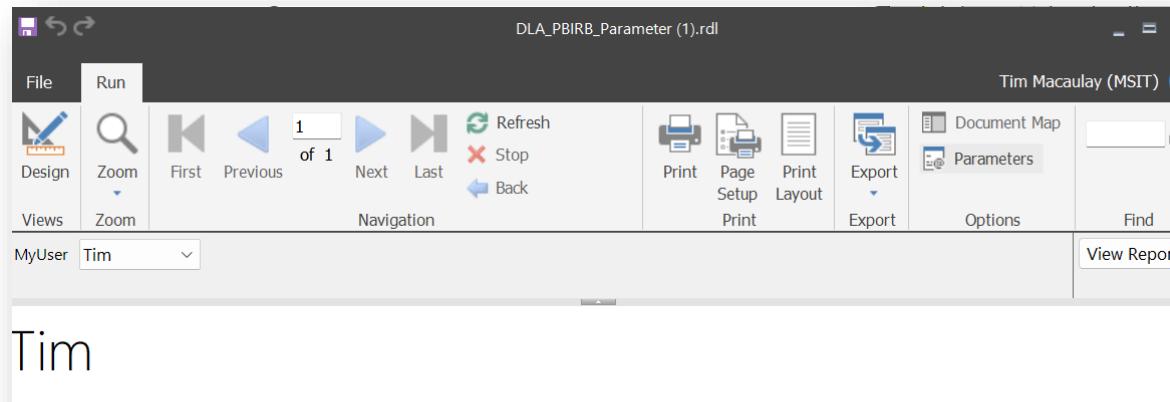
Change advanced parameter options.

Refresh data when the parameter changes:

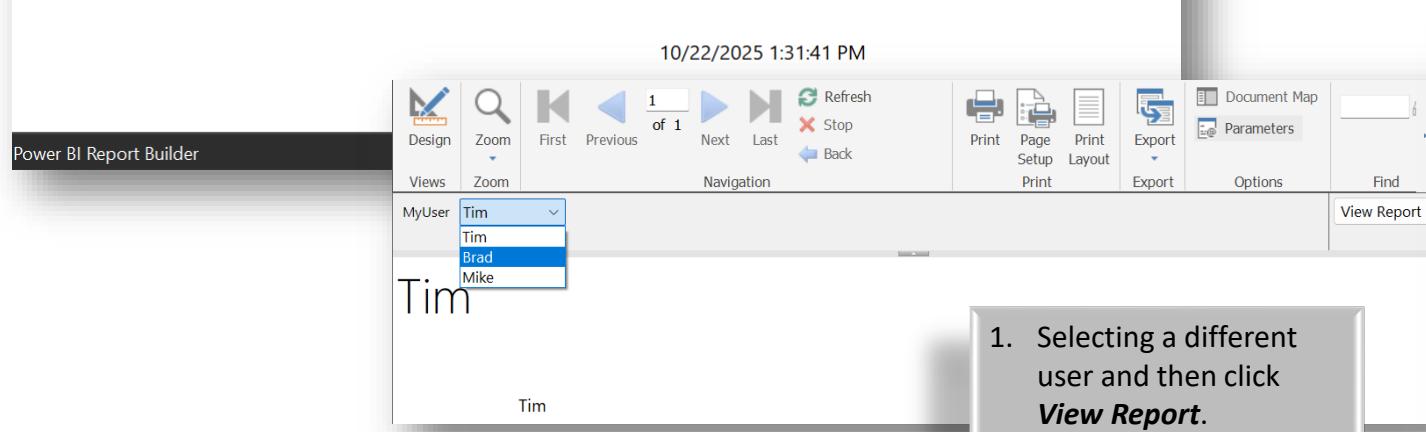
- Automatically determine when to refresh
- Always refresh
- Never refresh

1. Refresh data when the parameter changes: This does not affect the solution, thus decision can be made by the *Power BI Report Builder Developer*.

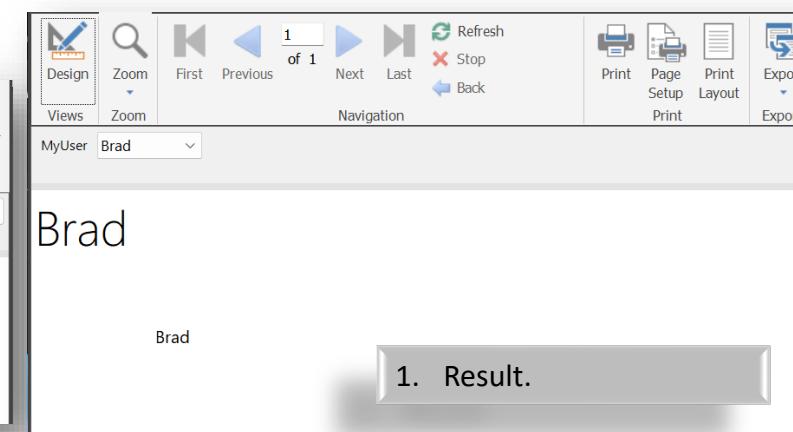
Result



1. Default view



1. Selecting a different user and then click **View Report**.



1. Result.