

Inhaltsverzeichnis

How to filter your row data 1

How to filter your row data

This document briefly explains how to use the data filter syntax.

Column names

If a column name contains any of these special characters `~ () # \ / = > < + - * % & | ^ ' „ []`, you must enclose the column name within square brackets `[]`. If a column name contains right bracket `]` or backslash `\`, escape it with backslash (`\]` or `\\`).

```
1. "id = 10";           // no special character in column name "id"
2. "$id = 10";         // no special character in column name "$id"
3. "[#id] = 10";      // special character "#" in column name "#id"
4. "[[id\]] = 10";   // special characters in column name "[id]"
```

Literals

String values are enclosed within single quotes `'`. If the string contains single quote `'`, the quote must be doubled.

```
1. dataView.RowFilter = "Name = 'John'"           // string value
2. dataView.RowFilter = "Name = 'John 'A'''"      // string with single
  quotes "John 'A'"
3. dataView.RowFilter = String.Format("Name = '{0}'", "John
  'A'".Replace("'", "' '"));
```

Number values are not enclosed within any characters. The values should be the same as is the result of `int.ToString()` or `float.ToString()` method for invariant or English culture.

```
1. dataView.RowFilter = "Year = 2008"           // integer value
2. dataView.RowFilter = "Price = 1199.9"        // float value
3. dataView.RowFilter =
  String.Format(CultureInfo.InvariantCulture.NumberFormat,
4.           "Price = {0}", 1199.9f);
```

Date values are enclosed within sharp characters `# #`. The date format is the same as is the result of `DateTime.ToString()` method for invariant or English culture.

```
1. dataView.RowFilter = "Date = #12/31/2008#"    // date value (time
  is 00:00:00)
2. dataView.RowFilter = "Date = #2008-12-31#"    // also this format
  is supported
```

```
3. dataView.RowFilter = "Date = #12/31/2008 16:44:58#" // date and time value
4. dataView.RowFilter =
  String.Format(CultureInfo.InvariantCulture.DateTimeFormat,
5.           "Date = #{0}#", new DateTime(2008, 12, 31, 16, 44,
  58));
```

Alternatively you can enclose all **values** within single quotes ' '. It means you can use string values for numbers or date time values. In this case the current culture is used to convert the string to the specific value.

```
1. dataView.RowFilter = "Date = '12/31/2008 16:44:58'" // if current culture is English
2. dataView.RowFilter = "Date = '31.12.2008 16:44:58'" // if current culture is German
3. dataView.RowFilter = "Price = '1199.90'" // if current culture is English
4. dataView.RowFilter = "Price = '1199,90'" // if current culture is German
```

1.

1.

1.

1.

1.

From: <https://jmz-elektronik.ch/dokuwiki/> - Bücher & Dokumente

Permanent link: <https://jmz-elektronik.ch/dokuwiki/doku.php?id=start:visualstudio2019:programmieren:dotnet:component:dataview&rev=1670234873>

Last update: 2022/12/05 11:07

