




Remove Duplicate Rows From DataTable



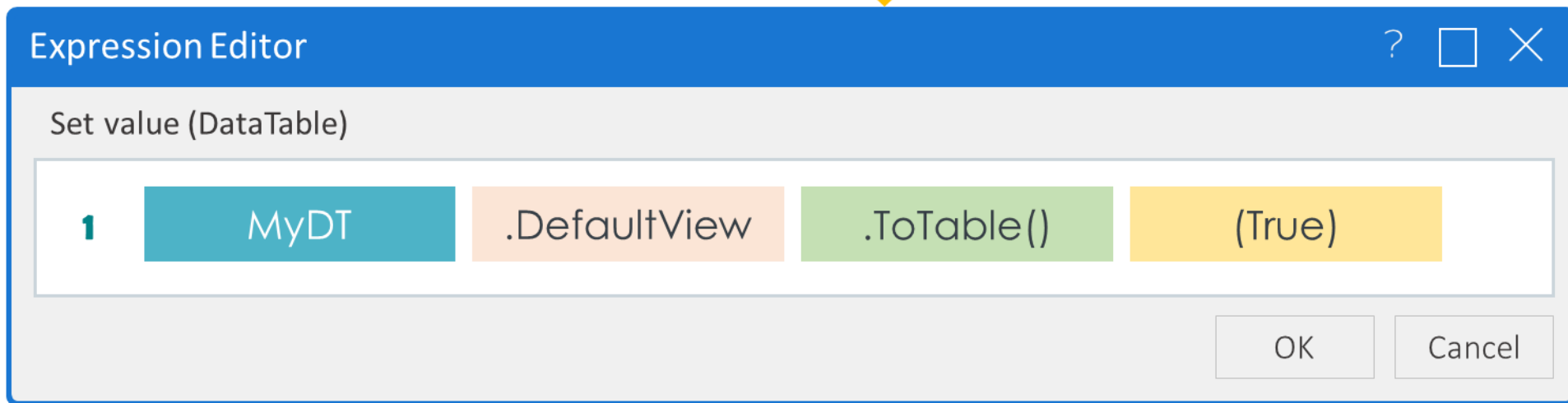
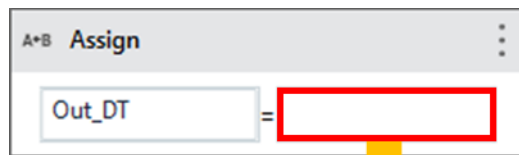
Use Case

- Remove duplicate rows from a DataTable using one column (**ID**)
- The original table is: **MyDT**
- The new table (output table) is: **Out_DT**

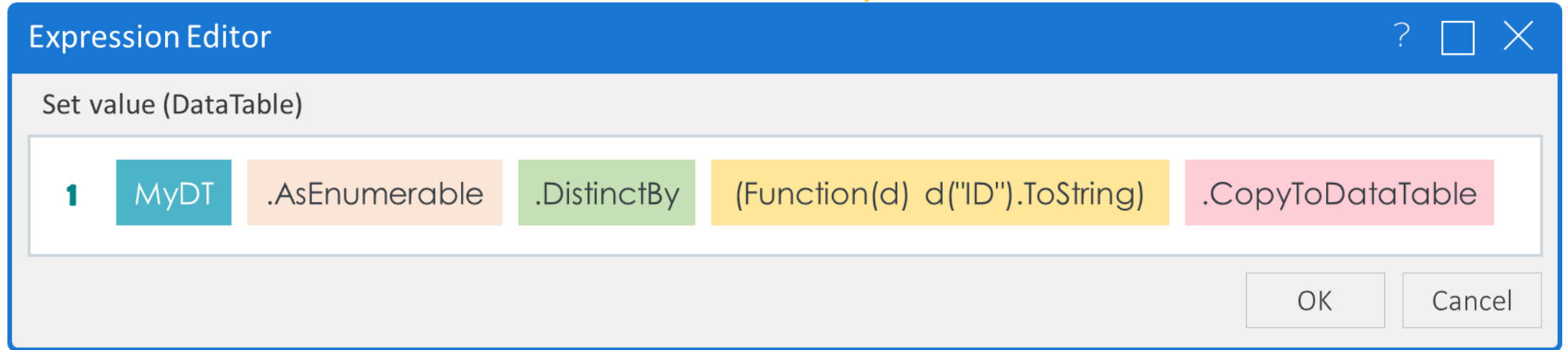


ID	Name	Department
1	Max	IT
2	Jasmin	HR
2	Jasmin	HR
3	Alex	Controlling
4	Lara	Finance
1	Max	IT
3	Alex	Controlling
5	Mahmoud	IT
4	Lara	Finance

ID	Name	Department
1	Max	IT
2	Jasmin	HR
3	Alex	Controlling
4	Lara	Finance
5	Mahmoud	IT



Remove duplicate rows using
all columns of the table



Remove duplicate rows using
one column ("ID")

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Select	row		
4	)	.DistinctBy(Function(d) d("ID").ToString)		.CopyToDataTable()

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp		.First()
5	)			.CopyToDataTable()

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.FirstOrDefault()	
5	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.ElementAt(0)	
5	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.ElementAtOrDefault(0)	
5	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.ElementAt(grp.Count-1)	
5	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.ElementAtOrDefault(grp.Count-1)	
5	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.Take(1)	.ElementAt(0)
5	)		.CopyToDataTable()	

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.TakeLast(1)	.ElementAt(0)
5	)		.CopyToDataTable()	

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.Take(1)	.First()
5	)		.CopyToDataTable()	

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Select	grp	.TakeLast(1)	.First()
5	)		.CopyToDataTable()	

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.First()	
5	Select	x		
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.FirstOrDefault()	
5	Select	x		
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.ElementAt(0)	
5	Select	x		
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1

(

2

From

row

In

MyDT

3

Group

row

By a = row("ID").ToString

Into grp = Group

4

Let

x

= grp.ElementAt(grp.Count - 1)

5

Select

x

6

)

.CopyToDataTable()

OK

Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.ElementAt(0)	
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.First()	
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.FirstOrDefault()	
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.Last()	
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.FirstOrDefault()	
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.LastOrDefault()	
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.Single()	
6	)	.CopyToDataTable()		

OK Cancel

A*B Assign

Out_DT =



Expression Editor

Set value (DataTable)

1	(
2	From	row	In	MyDT
3	Group	row	By a = row("ID").ToString	Into grp = Group
4	Let	x	= grp.SkipLast(grp.Count - 1)	
5	Select	x	.SingleOrDefault()	
6	)	.CopyToDataTable()		

OK Cancel