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Extracting Column from Table



IST - Support Team

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Applies To: Ayehu NG

Description

In **Ayehu NG**, There exists a powerful and convenient activity for getting Row from the table(**GetRows**). This activity fetches a particular row from the table. But we don't have the same activity for Column many times we need to fetch the only column which can be achieved by using two activity **RotateTable** and **GetRows**. This tutorial details the proper usage of this activity for getting the column.

Solution

In this example, we will use **CreateMemoryTable** activity for creating a sample table.

The screenshot displays an Ayehu workflow on the left and the configuration for the 'CreateMemoryTable' activity on the right.

Workflow:

- START** (Start node)
- CreateMemoryTable - createMemor...** (Activity: Creates a table and saves it to the wor...)
- RotateTable - rotateTable1** (Activity: Rotates a table by 90 degrees)
- GetRows - getRows1** (Activity: Returns the selected rows from a tabl...)
- RotateTable - rotateTable2** (Activity: Rotates a table by 90 degrees)
- End** (End node)

CreateMemoryTable- createMemoryTabl... Configuration:

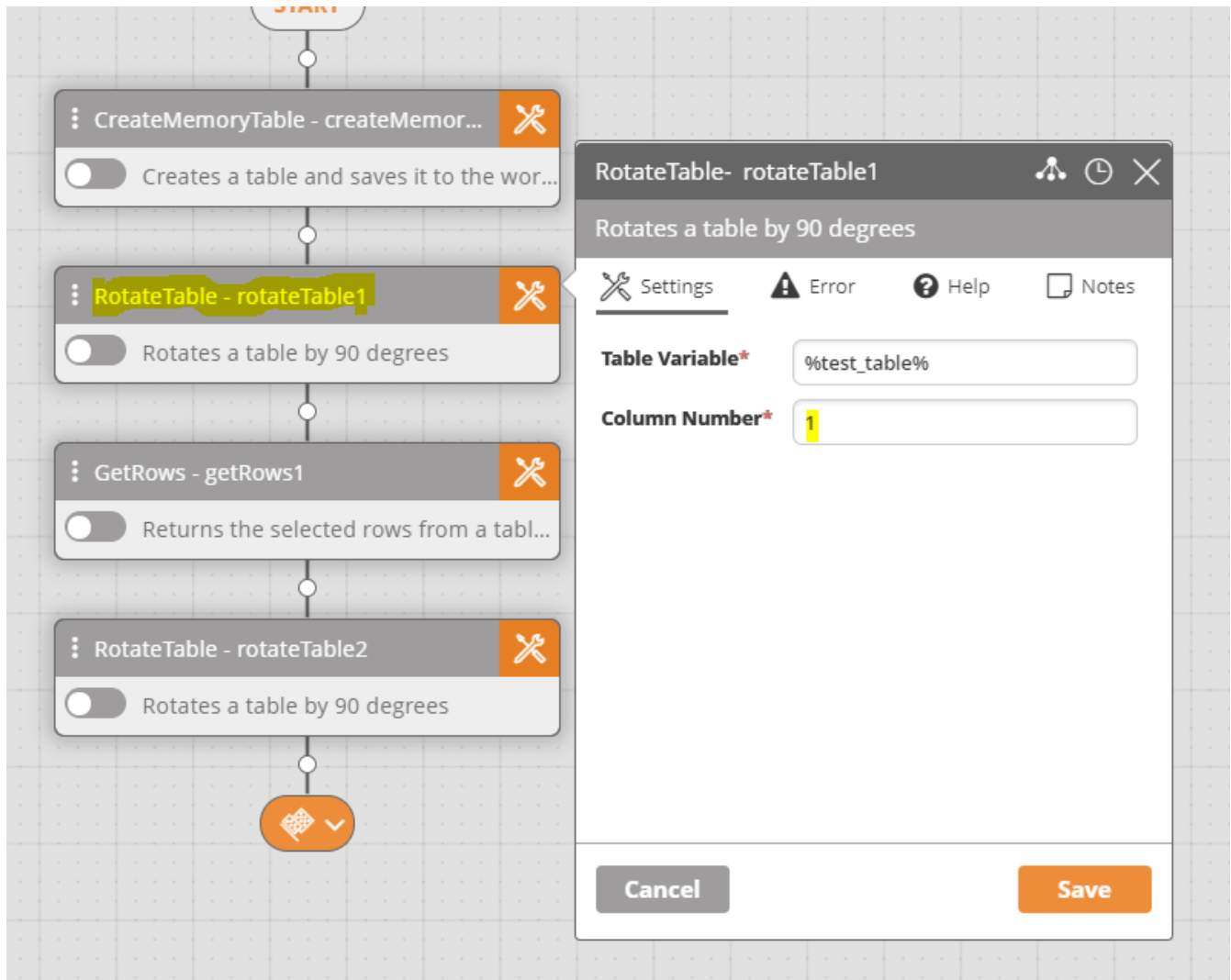
- Settings** (Icon)
- Error** (Icon)
- Help** (Icon)
- Notes** (Icon)
- Table Name***: test_table
- Columns***: 3
- Rows***: 3

Table Data:

	ID	Name	Contry
1	1	Shubham	India
2	2	Atul	India
3	3	Raj	UK

Buttons: Cancel, Save

Then, we rotate the table with **RotateTable** activity. Mention table variable "%test_table%" column number "1" from which we want to rotate the table.



The output of **RotateTable1**:

Result		
1	2	3
Shubham	Atul	Raj
India	India	UK

Here, now rows become column and column become Rows.

So, we use **GetRows** activity to fetch a particular Row(which was column).

Pass the Table variable as the name of the **RoateTable** activity "%rotatetable1%" and the number of row "1" which we are fetching.

The screenshot shows a workflow editor with four activities connected in a sequence:

- CreateMemoryTable - createMemor...**: Creates a table and saves it to the wor...
- RotateTable - rotateTable1**: Rotates a table by 90 degrees
- GetRows - getRows1**: Returns the selected rows from a tabl...
- RotateTable - rotateTable2**: Rotates a table by 90 degrees

The **GetRows - getRows1** activity configuration window is open, showing the following settings:

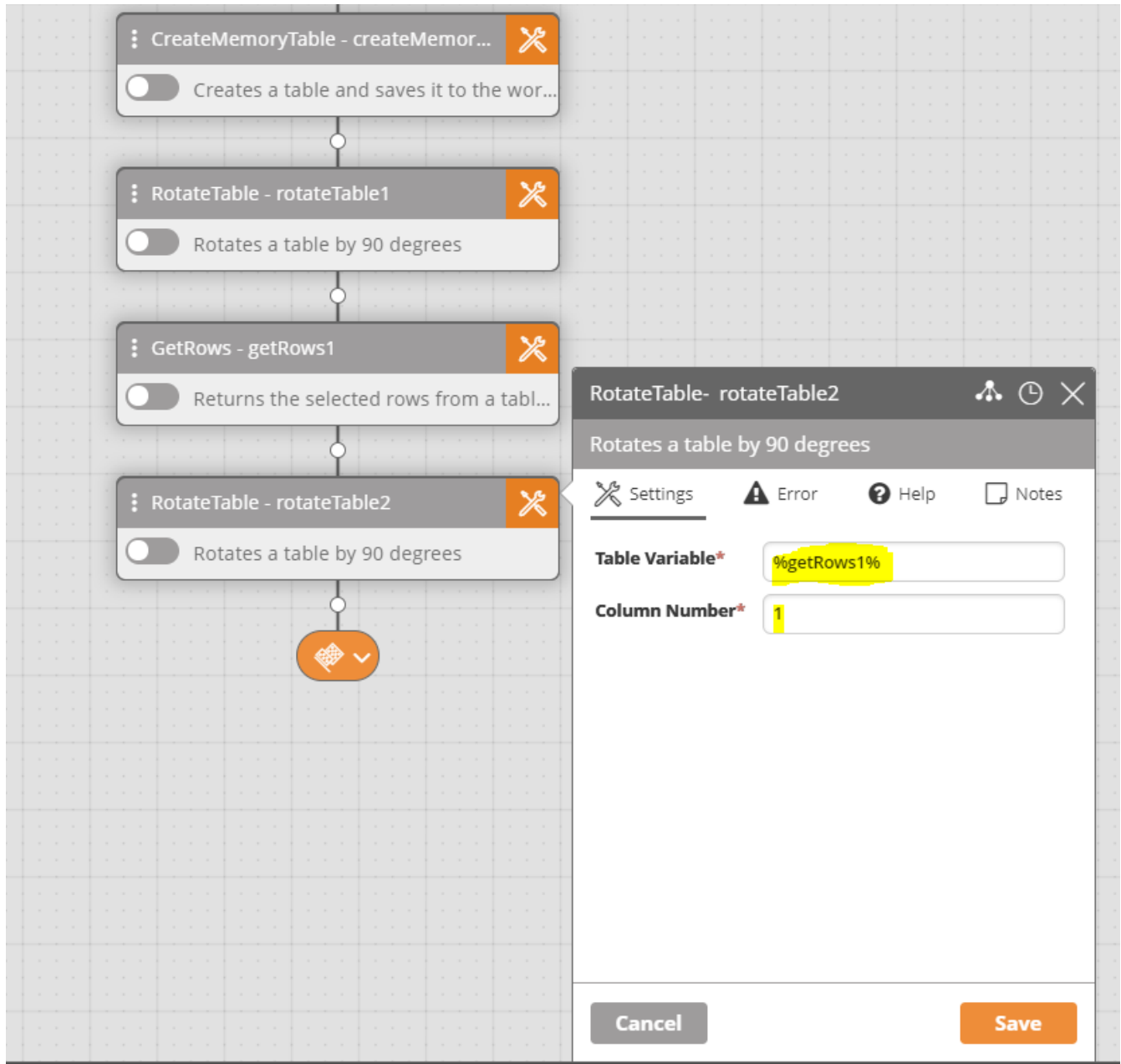
- Table Variable***: %rotateTable1%
- Row Number**: 1
- Row Contains**: (empty field)

Buttons at the bottom of the configuration window: **Cancel** and **Save**.

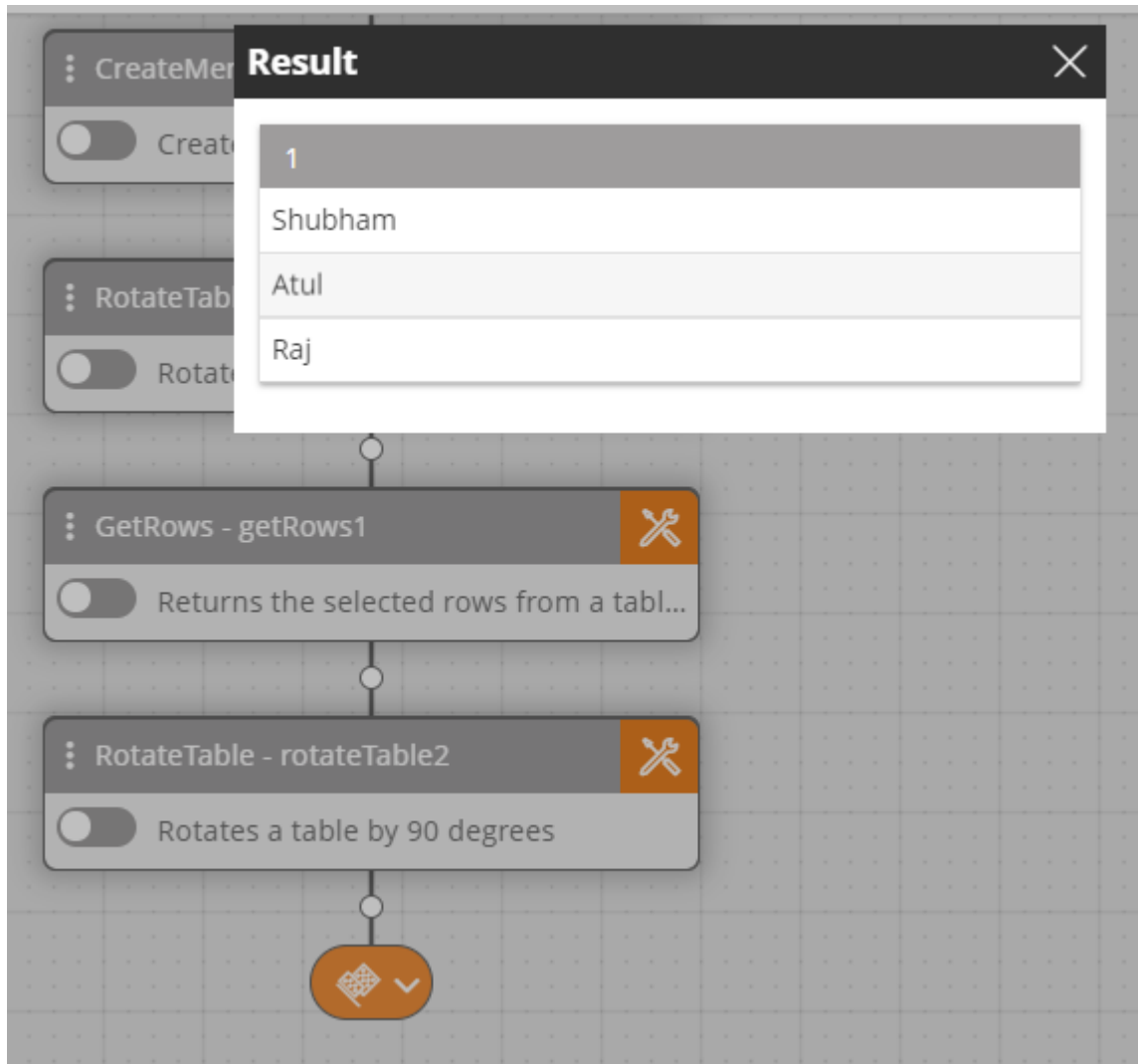
Here, we get the row as an output of the GetRows activity.

Result			
Number	1	2	3
1	Shubham	Atul	Raj


(Optional) - If we want output in column format then we again use **RotateTable** activity and pass the **GetRows** activity name "%getRows%".



Here is the final result.



Also attached sample workflow of this tutorial.

 **Get Column (Rotate Table).zip**

3 KB · Download



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