Module 5: Workflow, Citrix and Data Manipulation
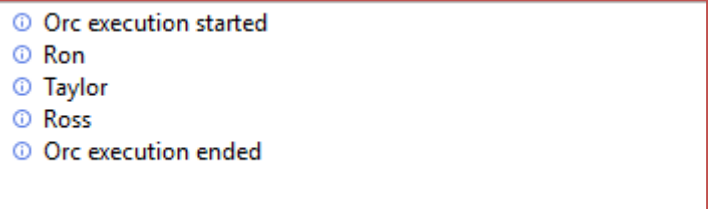
Demo 2 – Solution

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Demo 2

➢ Automate a process of storing a name in a list

1. Create a list of type String

2. Add some default names to it

3. Use invoke method to add a new name to the list

4. Display the final list in the output screen

```
ⓘ Orc execution started
ⓘ Ron
ⓘ Taylor
ⓘ Ross
ⓘ Orc execution ended
```

Demo 2 – Solution

- ➢ **Step 1:** Create a blank project and, on the Design tab, in the File group, select New -> Sequence. The New Sequence Diagram window is displayed. Give a name to the Sequence.

- ➢ **Step 2:** Create 2 variables, one of type String[] and the other of type List<String>. We have created anArray of type String[] and aList of type List<String>.

- ➢ **Step 3:** In the default value of String[] type variable, set two entries in the format shown below in the screenshot. In the default value of List<String> type variables, set the value as shown below:
  new List(of String)from{"Ron","Taylor"}

Name	Variable type	Scope	Default
anArray	String[]	array	{"Ron","Taylor"}
aList	List<String>	array	new List(of String)from{"Ron","Taylor"

- ➢ **Step 4:** Add an **Invoke Method** Activity and set **aList** variable in the Target Object field and set Method Name as **Add**.
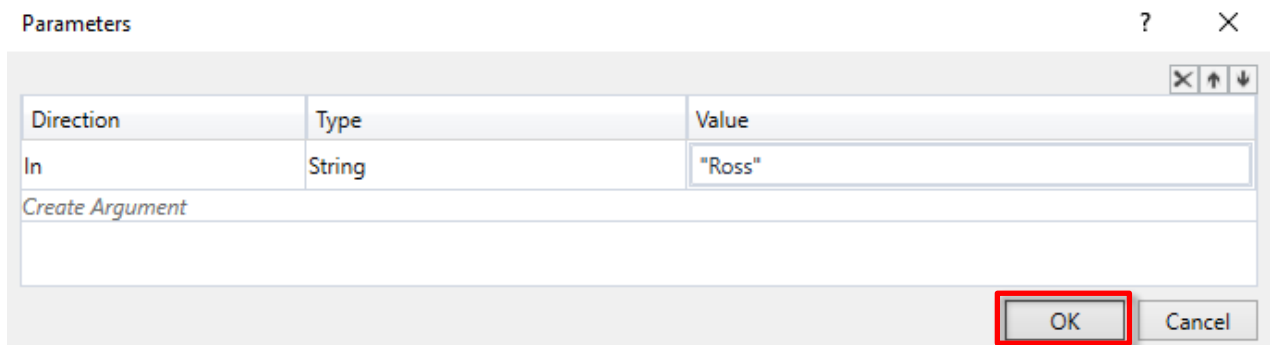
Invoke method

TargetType	(null)
TargetObject	aList
MethodName	Add

➢ Step 5: In the Invoke Method Parameters Property, create an Argument and enter a new name in the Value as shown below and click OK:
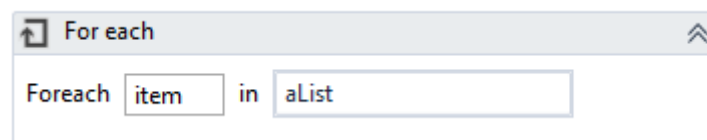
Parameters			? ✕
			✕ ↑ ↓
Direction	Type	Value	
In	String	"Ross"	
Create Argument			

OK   Cancel

➢ Step 6: Add a **For each** loop activity under Invoke Method. Set **Foreach** item in **aList**
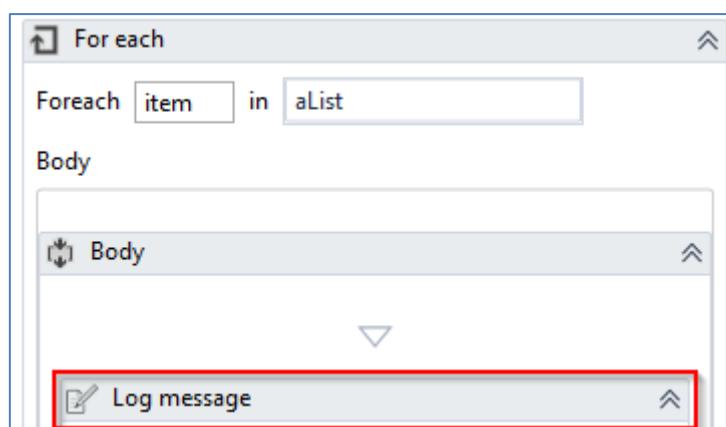
For each	⌃
Foreach item in aList	

➢ Step 7: In the **For each** loop's Body, add a **Log Message** Activity.
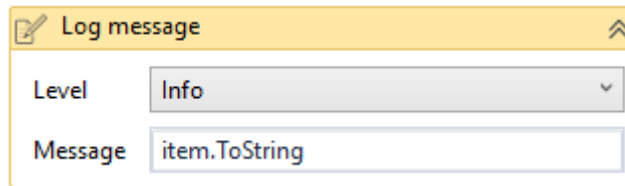
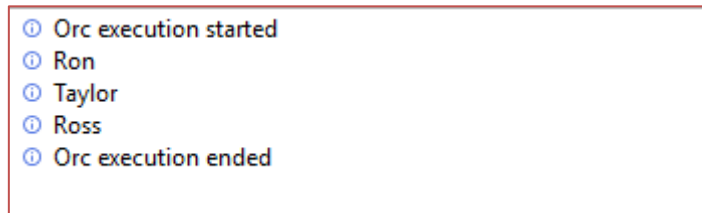| For each	⌃
Foreach item in aList	
Body	
Body	⌃
▽	
Log message	⌃

➢ **Step 8:** Set the **Level** field to **Info** and **Message** field to **item.ToString**

Log message	⌃
Level	Info ⌄
Message	item.ToString

➢ **Step 9:** **Run** the Sequence. You will see the name which you have entered in Step 5, is added in the collection.

ⓘ Orc execution started
ⓘ Ron
ⓘ Taylor
ⓘ Ross
ⓘ Orc execution ended