# Practical No: 5

# ARRAY

**AIM: A) Consider an array of names. We have to find out how many of them start with the letter "a". Create an automation where the number of names starting with "a" is counted and the result is displayed.**
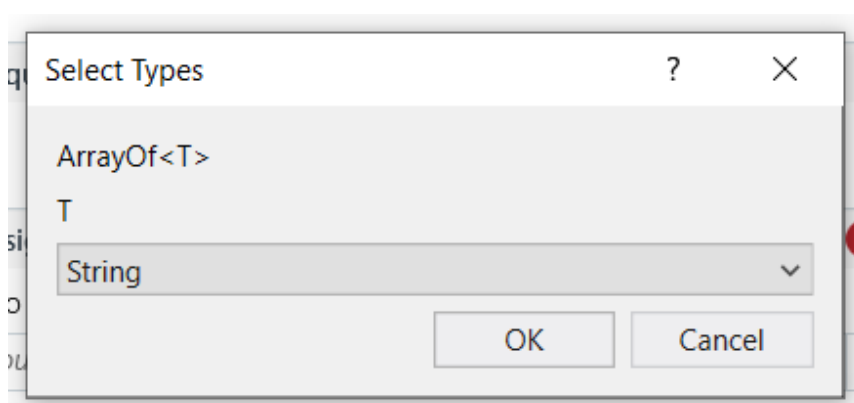
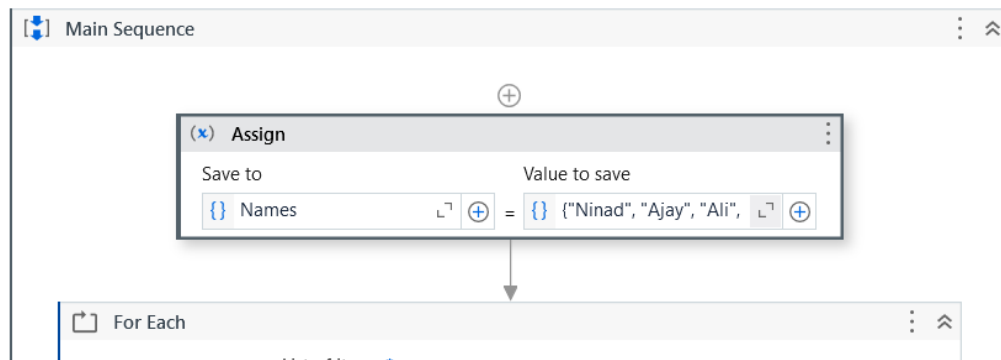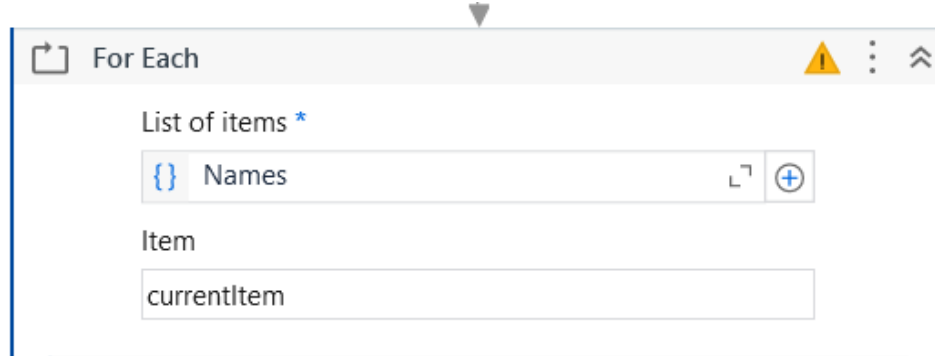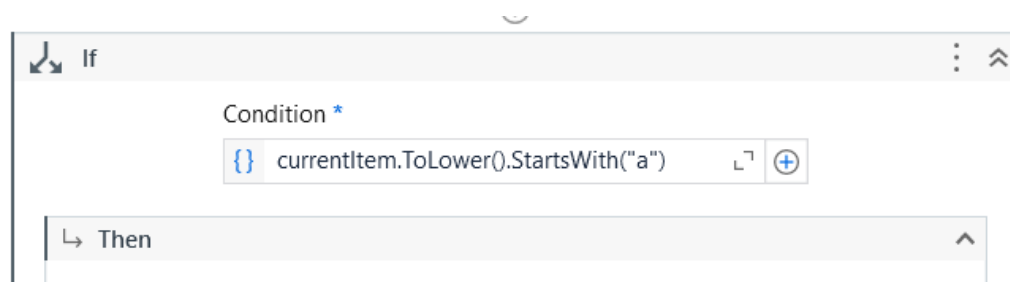**Steps with output**

**Step 1.**   Create the Counter Variable:
   a. Name the variable as CountA.
   b. Set the variable type to "Int32"

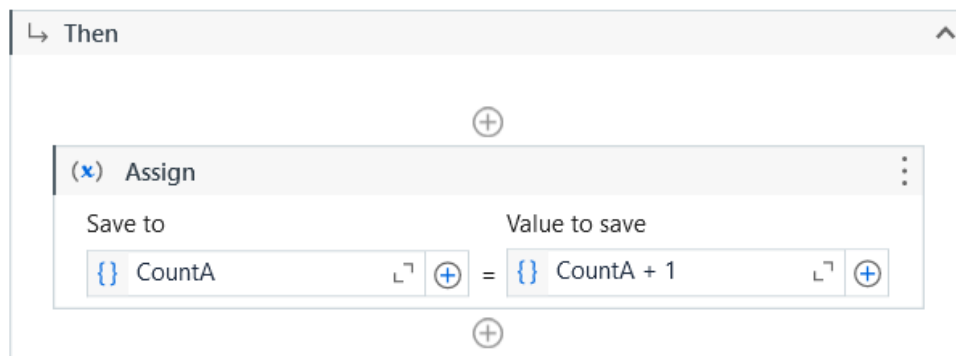| Name | Variable type | Scope | D |
|------|---------------|-------|---|
| Names | String[] | Main Sequence | E |
| CountA | Int32 | Main Sequence | E |
| Create Variable | | | |

**Step 2.**   Create a Name Variable:
   a. Name the variable (e.g., Names).
   b. Set the variable type to "Array of [your chosen data type]" -> "Array of String."
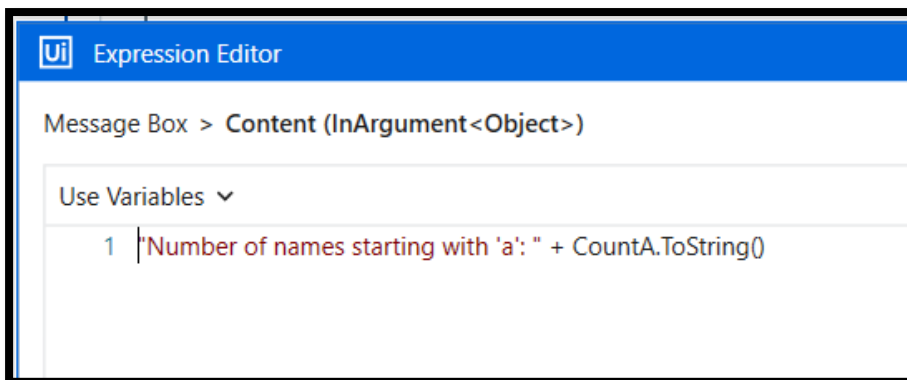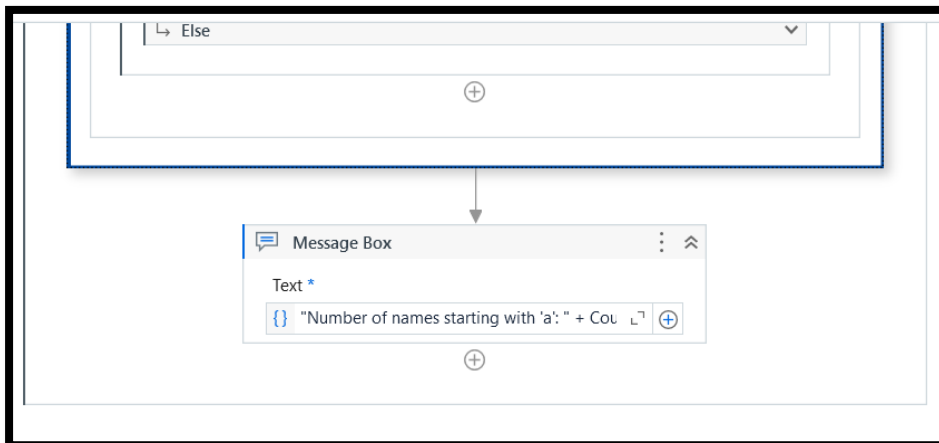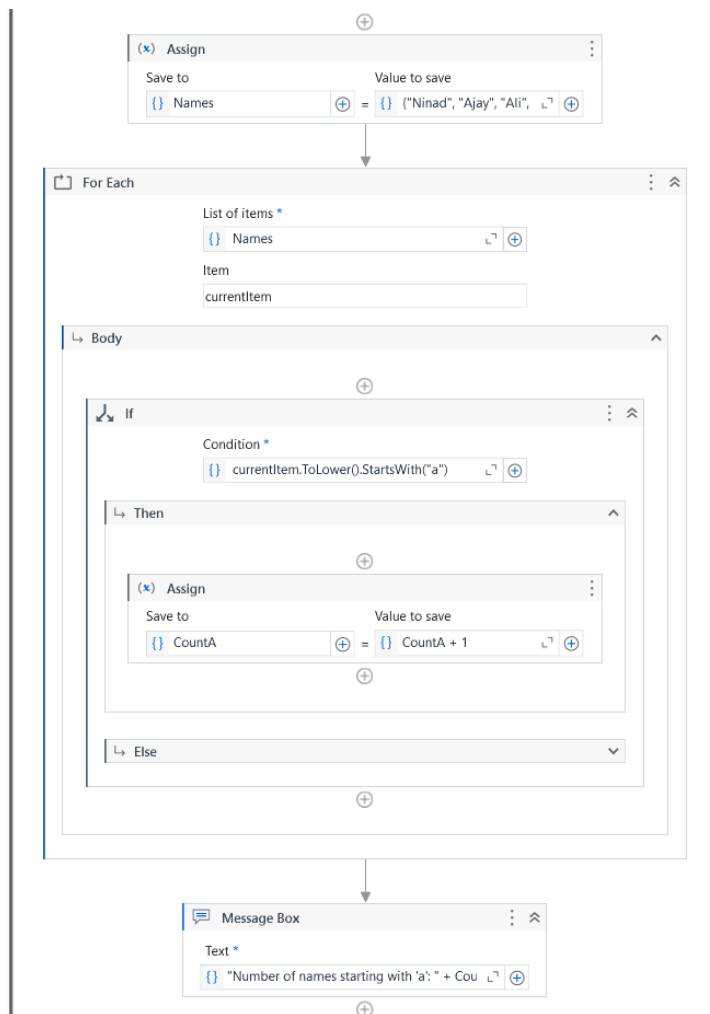
**Step 3.**　　Add an Assign Activity: (enter any names with { } )



**Step 4.**　　Drag and drop a "For Each" activity into the sequence.



**Step 5.**　　Add an If Activity (Inside For Each):
　　　　　　　　currentItem.ToLower().StartsWith("a")

**Step 6.**    Inside the "Then" section of the "If" activity, add an "Assign" activity.
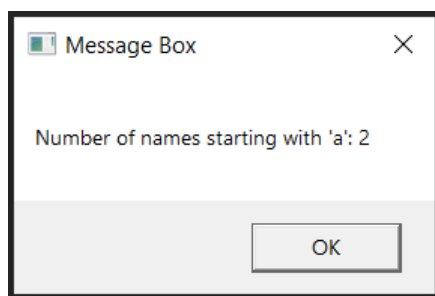


**Step 7.**    Add a Message Box Activity (After For Each):

## OUTPUT:



**Learnings:**

**A. Count Names Starting with "a":**

We learned to count the number of names starting with "a" in an array by creating and using a counter variable, employing a For Each loop, and implementing an If activity to check and increment the count accordingly. The result was then displayed in a Message Box.