**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**

1. Create the Counter Variable:
   1. Name the variable as CountA.
   2. Set the variable type to "Int32"

A white rectangular object with a black border

Description automatically generated

1. Create a Name Variable:
   1. Name the variable (e.g., Names).
   2. Set the variable type to "Array of [your chosen data type]" -> "Array of String."

A screenshot of a computer error

Description automatically generated

1. Add an Assign Activity: (enter any names with {} )A screenshot of a computer

   Description automatically generated
2. Drag and drop a "For Each" activity into the sequence.A screenshot of a cell phone

   Description automatically generated
3. Add an If Activity (Inside For Each):

currentItem.ToLower().StartsWith("a")

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Description automatically generated

1. Inside the "Then" section of the "If" activity, add an "Assign" activity.A screenshot of a computer

   Description automatically generated
2. Add a Message Box Activity (After For Each):A screenshot of a computer

   Description automatically generatedA screenshot of a computer

   Description automatically generated

A screenshot of a computer

Description automatically generated

**OUTPUT:**

A screenshot of a message box

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**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.