**Practice 2 - Switch**

**Problem Statement: Separate a collection of error codes using Switch**

1. Consider a collection of error codes stored in an Array of Strings.
2. Check the initial Array, it should contain the following values:     "Ax001","Ax002","Ax003","Ax004","Ax005","Bx001","Bx002","Bx003","Cx001","Cx002","Cx003","Cx004".
3. Separate them based on their type of error code ("Ax", "Bx" or “Cx”).
4. Store them in 3 different arrays.

**Output:**Three log messages printing the elements of each array.

Continued

**Resources**

We hope you’ve enjoyed this exercise and that you’ve found it useful! If you need more support with it before checking the solution steps, see if these resources help you solve it:

1. [Switch Activity](https://docs.uipath.com/studio/v2021.10/docs/the-switch-activity)
2. [Managing Variables](https://docs.uipath.com/studio/v2021.10/docs/managing-variables)
3. [Array Variables](https://docs.uipath.com/studio/v2021.10/docs/array-variables)

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**Solution:**

**To solve the exercise in this Practice lesson, use the following steps:**

1. Create an Array of Strings variable with the name ErrorCodes and the default value of {"Ax001","Ax002","Ax003","Ax004","Ax005","Bx001","Bx002","Bx003","Cx001","Cx002","Cx003","Cx004"}.
2. Create three Array of Strings variables, called AxArray, BxArray and CxArray, and instantiate them in the default by using new string(){}.
3. Add a **For Each** loop to iterate through the ErrorCodes. Rename the iterator Value.
4. Add a **Switch**inside the loop. Set the Expression to extract the first 2 letters using the 'Substring' method: Value.Substring(0,2).ToLower.
5. For the Default case, add a **Warn level Log message**with the Message: "No corresponding error code was found for: " + Value.
6. For each of the three cases ("ax", "bx", "cx"), use the 'Concat' method to add the item to the corresponding Array: e.g., AxArray.Concat({Value}).ToArray.
7. After the For Each activity, add three **Log Message** activities to print the content of each of the three Arrays, by using the 'String.Join' method: e.g., string.Join(" ",BxArray).