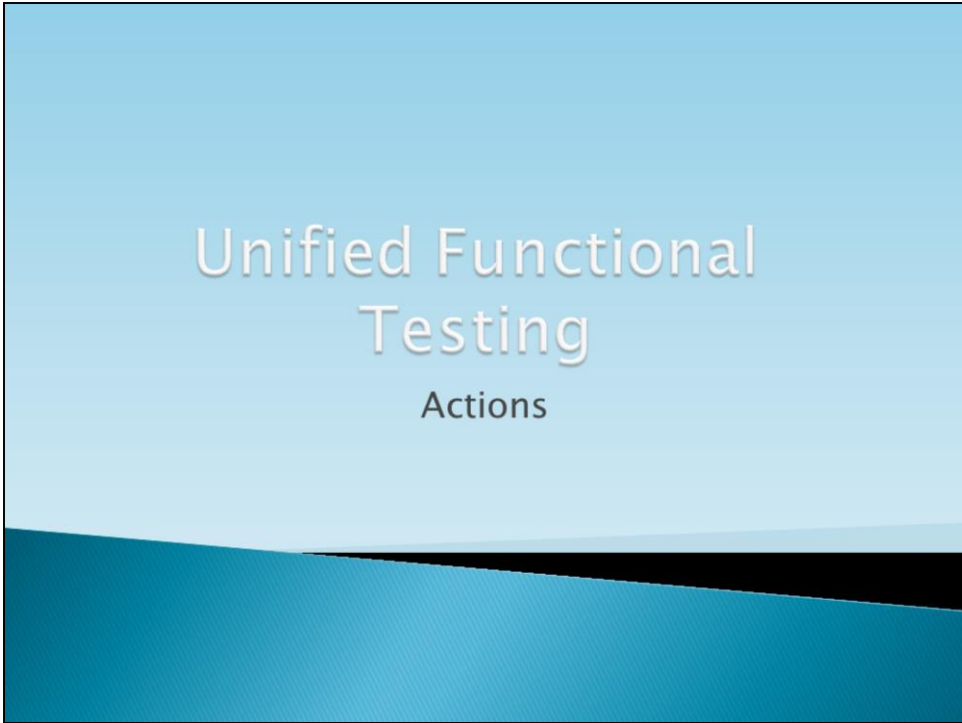


# Unified Functional Testing

Actions




# Lesson Objectives

By the end of this Lesson you will be able to:

- Split a single action to multiple action.
- Create a new action.
- Define an action as reusable.
- Call a reusable action into a main test.
- Drive data using local and global data sheets.
- Resolve a missing action or other resource.



## Lesson Content

- 
1. Splitting an action
  2. New action
  3. Reusable action
  4. Calling an existing action
  5. Call to copy an action
  6. Removing an action



## Lesson Content

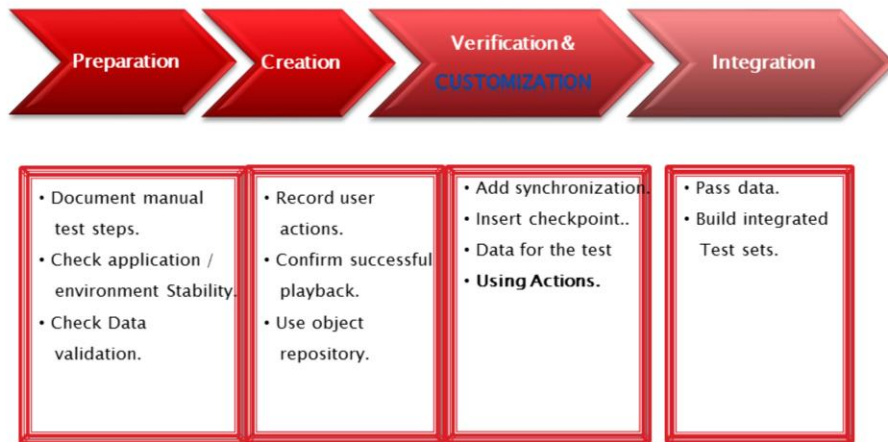


7. Action parameters

8. Action iterations



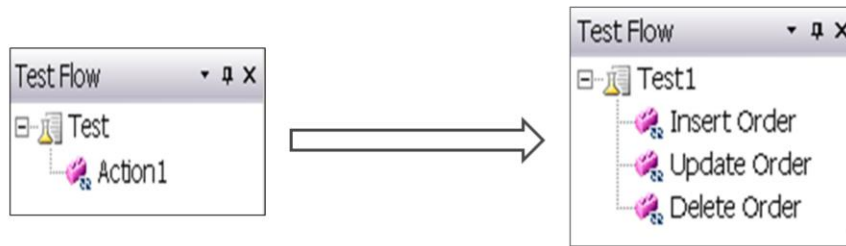
## Third Phase – Customization



In this phase , You can create a test with multiple actions.

Reusing actions saves time, ensures even distribution of the workload among the team members, and enhances the quality of a test.

# A Test With Multiple Actions



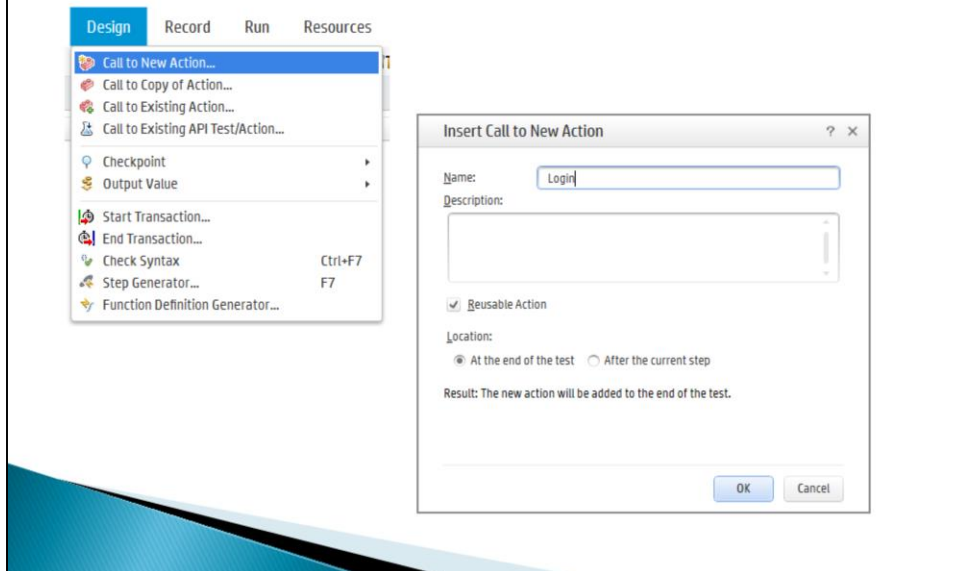
By default ,UFT records all steps of a business process into a single action.

You can divide an action into logical sections, such as the Insert Order, Update Order process, and Delete Order.

When you create a new test, it contains only one action by default.

By creating tests that call multiple actions, you can design tests that are more modular and efficient.

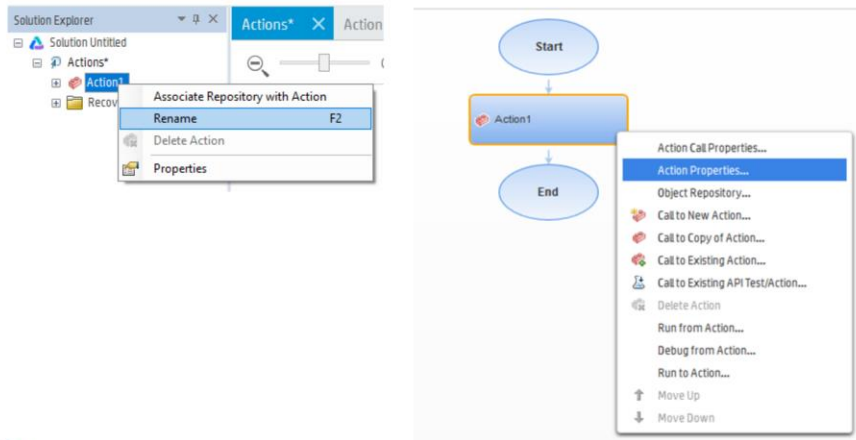
# Creating a New Action



To create a new action:

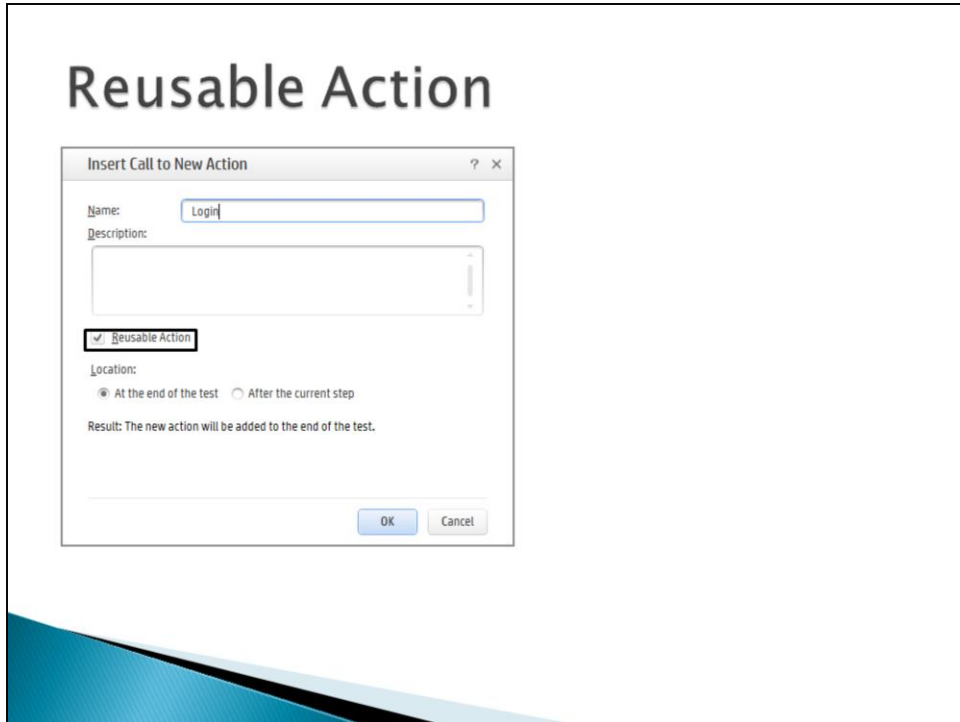
1. Choose **Design > Call to New Action** or right click the **visual flow view**. The Insert Call to New Action dialog box opens.
2. In the **Name** box, type a new action name .
3. In the **Description** box, add a description of the action.
4. Click **OK**. A new action is stored with your test .

# Rename an Action





# Reusable Action



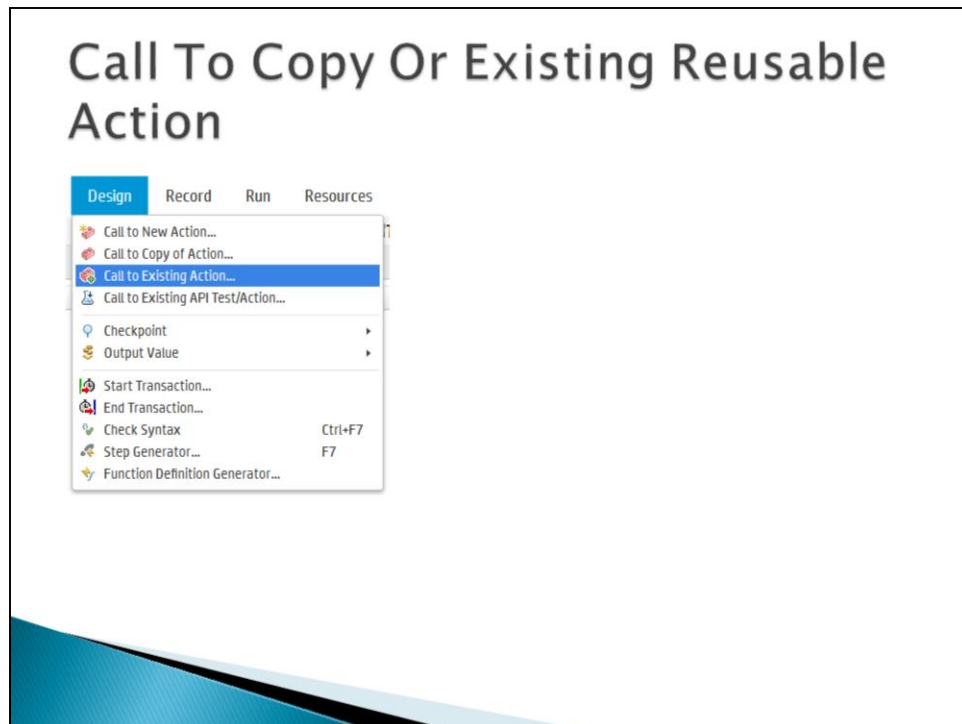
When you plan a suite of tests, you may realize that each test requires one or more identical activities, such as logging in.

By default, new actions are reusable. Only reusable actions can be called multiple times from the current test or from another test.

Using reusable actions facilitates easier maintenance of tests.

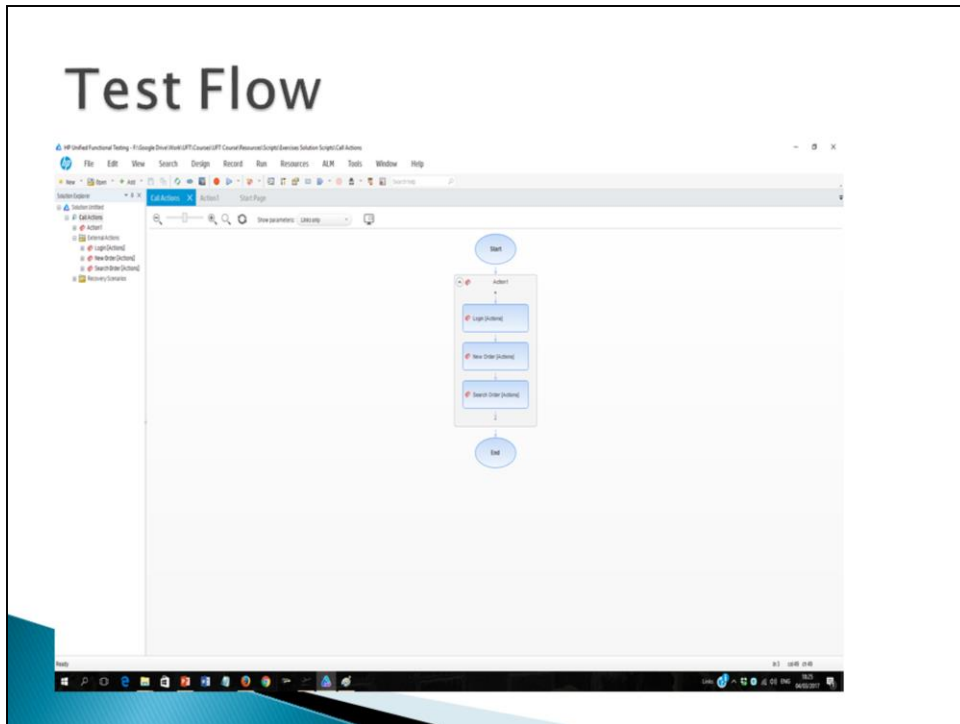
You can use the **ACTION PROPERTIES** dialog box to make an action reusable. To do so, in the **ACTION PROPERTIES** dialog box, check the **REUSABLE ACTION** check box and click **OK**. A message appears, stating a description of the reusable action.

**Note:** You can return a reusable action to its non-reusable state. However, changing the state of an action to non-reusable destroys all the calls made to the action.



After creating a reusable action, you can call it in the main test in two ways:

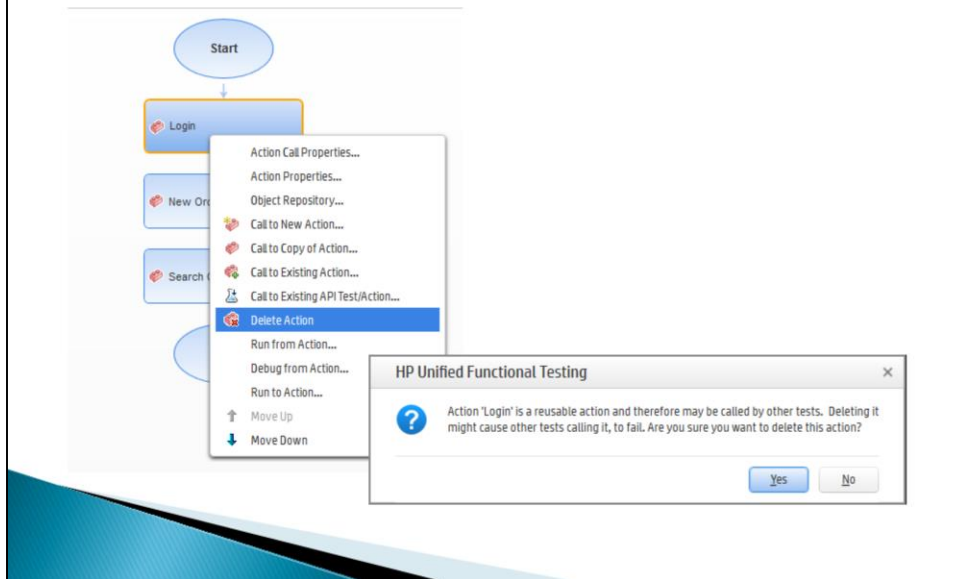
- **CALL TO COPY OF ACTION:** Copies the entire code of an action, all data tables, and object repositories into the existing test. You can also edit these actions.
- **CALL TO EXISTING ACTION:** Associates an action with the calling test. Any changes to the action must be made in the original action. This method is recommended method because it requires maintaining the action only at one place in the original action.



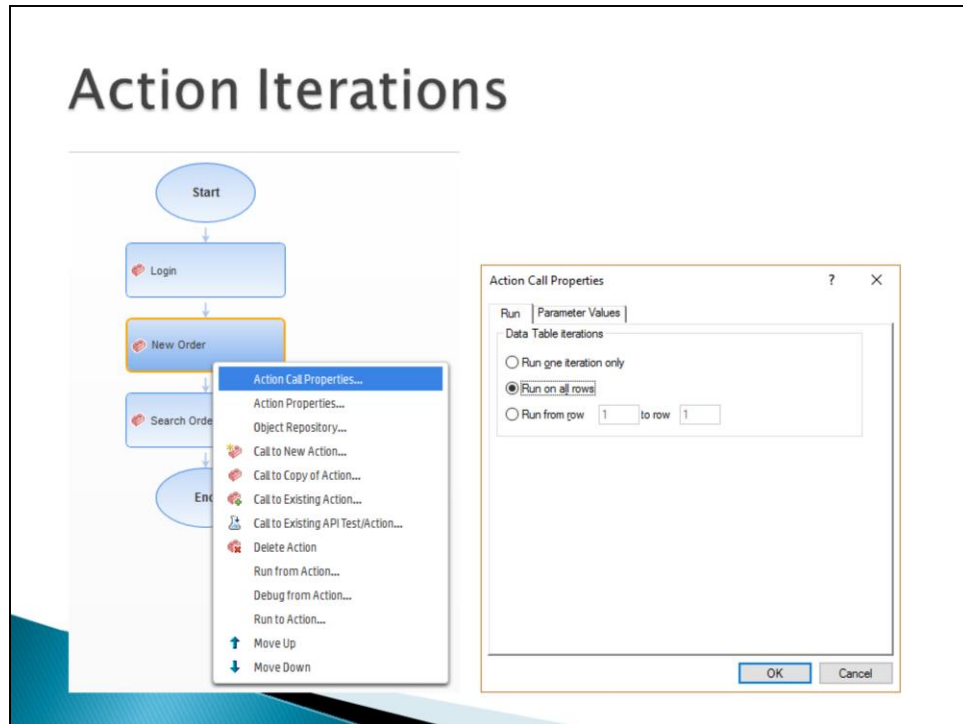
The **Action List** enables you to view either the test flow or you can view the steps for a selected reusable or external action.

Selecting **Test Flow** in the Action List displays the overall flow of your test with all the calls to the top-level actions in your test. The test flow also enables you to view and edit the individual steps of non-reusable actions.

# Removing Actions from A Test



When you delete a reusable action from a test, the action is removed from the TestFlow list. The action's local data sheet is also removed. The original action is not affected.



You can specify the run settings of a specific action in the **ACTION CALL PROPERTIES** dialog box.

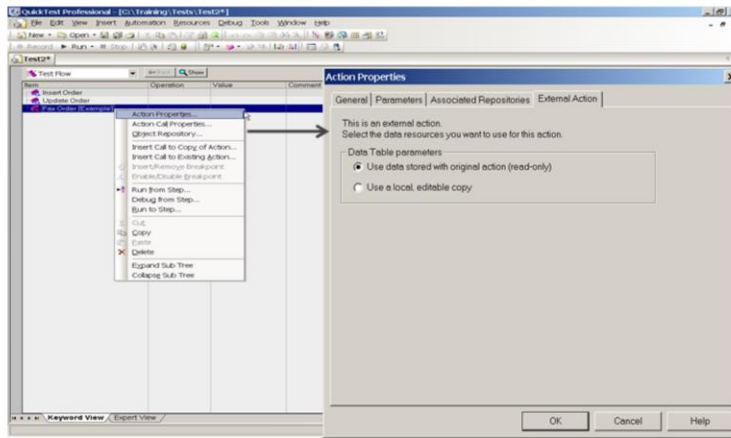
To display the **ACTION CALL PROPERTIES** dialog box:

1. In **KEYWORD VIEW**, right-click the action name for which you want to specify the run properties.
2. Select **ACTION CALL PROPERTIES** from the **DESIGN** menu. The **ACTION CALL PROPERTIES** dialog box appears.

The **ACTION CALL PROPERTIES** dialog box enables you to set the number of times an action iterates.

- 3, Right click on the action in the test flow view and select the option

# External Action Properties

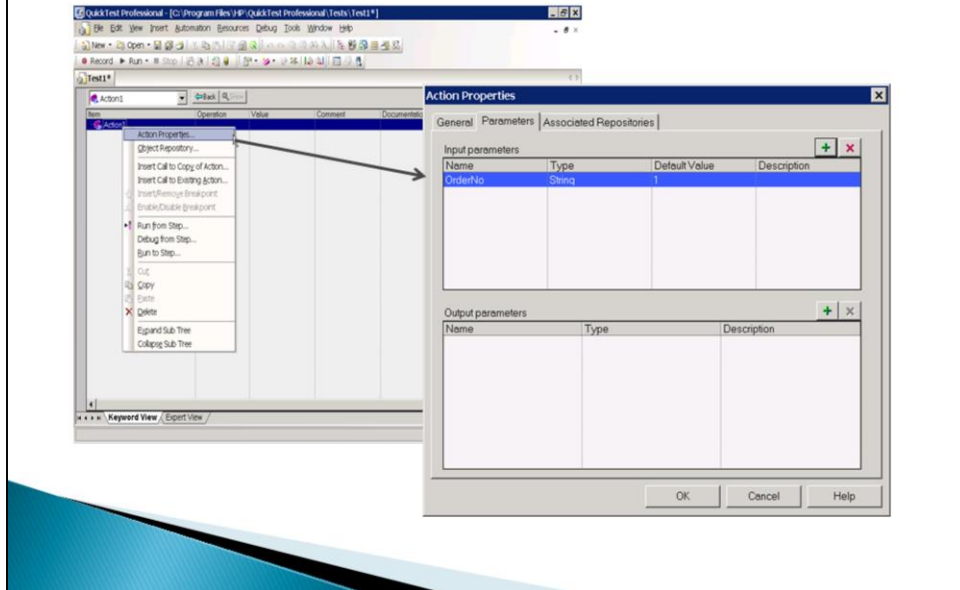


When you insert a call to an external action you can choose where you want UFT to store the Data Table data. You can specify this in the External Action tab of the Action Properties dialog box.

The External Action tab includes the following options:

1. To use the original action's data, select **Use data stored with the original action (read-only)**. When you select this option, the data is read-only when viewed from the calling test and all changes to the original action's data sheet apply when the action runs in the calling test.
2. To use an editable copy of the data in the test's Data Table, select **Use a local, editable copy**. When you select this option, a copy of the action's data sheet is stored in the test's Data Table and is independent of the original action. Changes to the original data sheet do not affect the calling test.

# Action Parameter



You can specify **input parameters** for an action so that steps in the action can use values supplied from elsewhere in the test.

You can specify **output parameters** for an action, so that it can return values for use later in the test. For example, you can output a parameter value to a parent action so that a later nested action can use the value.

You can define, modify, and delete input and output parameters in the Parameters tab of the Action Properties dialog box (**Edit > Action > Action Properties** or right-click an action and choose **Action Properties**).

## What's Next?

- Review Questions
- Exercise
- Next Lesson
  - The next lesson in the course is:  
**VBScript**





End of Lesson

