
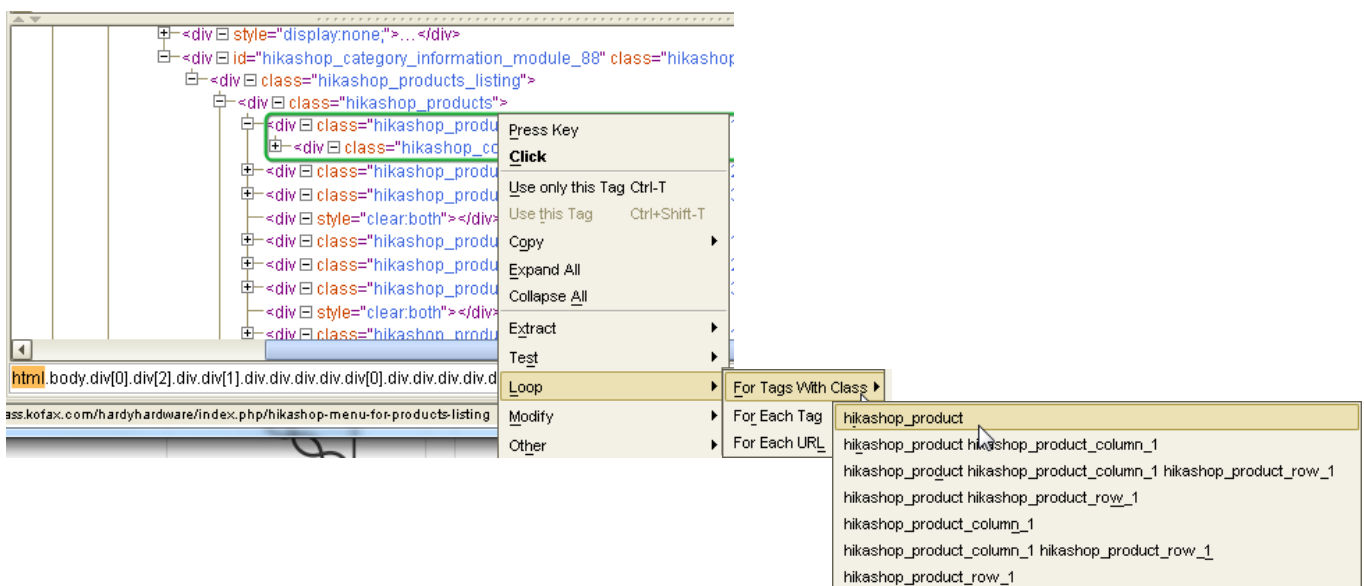


### Lab 7-1

### Lab – Basic Loops

In this lab, you are going to create a second Robot that will loop through all items on the first Products page and return the same data for each (in Module 8 you'll learn how to loop through multiple pages). We'll use the extraction Snippet you created in your last lab to accomplish the extraction.

1. In Design Studio, right mouse-click on the Robots folder belonging to your HardyHardware project and create a new Robot:
  - a. Name: MySecondRobot.robot
  - b. URL: <http://class.kofax.com/hardyhardware>
2. The HardyHardware home page should now be displayed in the browser panel. You want to extract the data for each item on the first Products page displayed. That will require a Click Action step. Left mouse-click on "Product listing" on the home page. A box should now be displayed around it.
3. Right mouse-click on the box and select "Click" from the context menu. A Click action step is added and executed. You should now see the first Products page. It has several items on it.
4. If you left mouse-click on the first item on the page and begin expanding the code up using the  button, you'll eventually see that there is a "class=hikashop\_product" tag that begins every item.
5. Right mouse-click the first tag and select "Loop" and "For Tags With Class." Then select "hikashop\_product." That tag is generic for every item on the page.





## TECHNICAL TRAINING LAB INSTRUCTIONS

6. Test your loop:
7. Make sure the end step is selected.
8. Click on the forward arrow on the "For Each Tag Path" loop step.
9. You should see the blue box advance from the first item to the second to the third and so on.
10. If your loop works successfully, you'll need to add a step to go to each item where the detail for that item is displayed. Go back to the 1st iteration of your loop (use the arrow button on the loop step to do this).
11. Let's set up a Click step to go to the details of the item. Select the end step. The blue box on the browser should be around the first item on the page. Left mouse-click on the title of the item "ST2200T Butane Micro Torch." Then right mouse-click on the box around the title and select "Click" from the context menu. The detail for that product is displayed.
12. Now what you want to do is extract the same data you extracted in your first Robot. Remember, you grouped the extraction steps together and converted them to a Snippet. You can reuse that Snippet here without having to recreate all the steps:
  - a. Make sure the end step is selected.
  - b. Right mouse click on the end step and from the context menu, select "Insert Step Before."
  - c. From the secondary context menu, select "Snippet Step."
  - d. In the robot view, select your new Snippet step. Go to the Basic tab in the step properties pane and enter the name "Extract Data."
  - e. Notice the red caution symbol on the Snippets tab marking the step invalid.. That means something is either incorrect or missing. Click on the Snippets tab. From the dropdown button, select "Snippets" and then "ExtractData."
  - f. Notice too that once the Snippet step has been added, the Variables associated with it automatically come across.
13. Finally, go to the end step and insert a "Return Value" step before it. You should already know how to do this from your previous lab.
14. If you click on the end step, you should see all of the data for your first item displayed in the Variables panel. If everything is working as expected, [Save] your Robot. If it isn't, go back and troubleshoot the problem.
15. Click on the Debug tab just below the main toolbar in Design Studio. Run your Robot in Design mode. If you've done everything properly, your Robot should return detail for 20 items existing on the first Products page. Congratulations! You've written your first looping Robot!