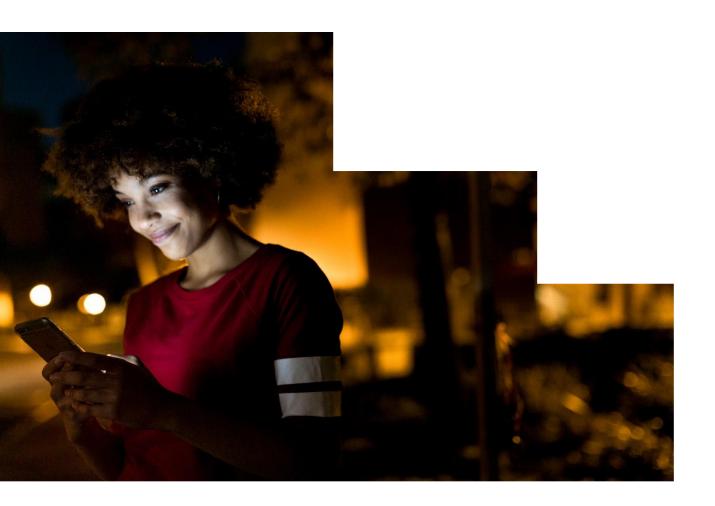


Robotic Process Automation in a Day

Lab 4 – Use Input and Output Parameters

30 mins October 2021



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Lab Overview

You will complete the following tasks in this lab:

- Create a new Power Automate Desktop flow with predefined inputs
- Record actions performed in the desktop-based Contoso Invoicing application using these inputs, and capturing application data for output
- Perform a test run of the new desktop flow with a new set of inputs

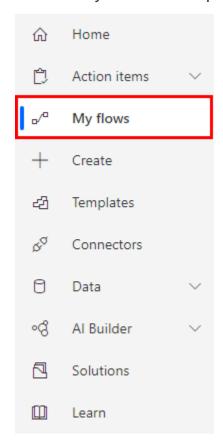
Prerequisites

This lab builds on the initial setup lab (Lab 1) – ensure all tasks are complete.

Important Additional Prerequisite: As you will be recording actions performed in your UI in this lab, **you will have the best experience if you view the lab instructions on a separate device or in a printout**. You can still complete the lab while pursuing the instructions during UI action recording, but you will have to perform extra work to cut the recorded actions of viewing the instructions from the UI flow.

Use input and output parameters

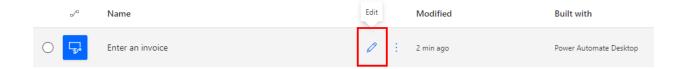
- 1. Open the test profile in a browser and navigate to https://powerautomate.microsoft.com
- 2. Open Contoso Invoicing app.
- 3. Select My flows > Desktop flows.



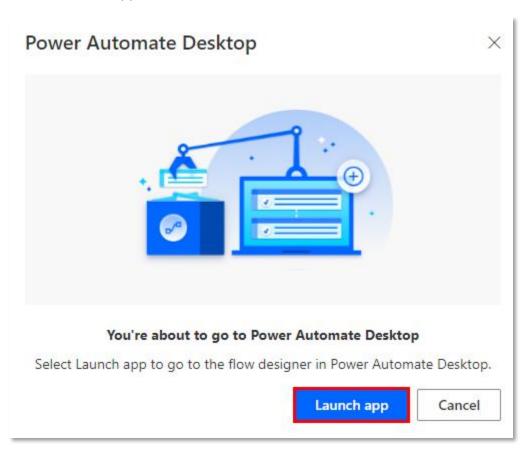


4. Edit **Enter an invoice** flow by clicking



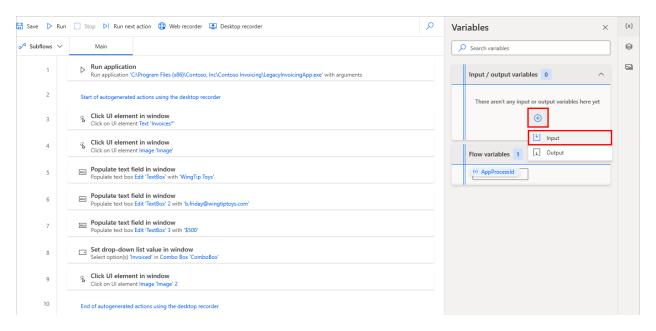


5. Click Launch app.



6. Power Automate Desktop provides the ability to receive input values from Cloud flows and return values using output values. We will now create a series of input values by clicking Input/output variables, then click

- Input to add your first input.



7. Use these values to setup the first input:

Variable Type: Input

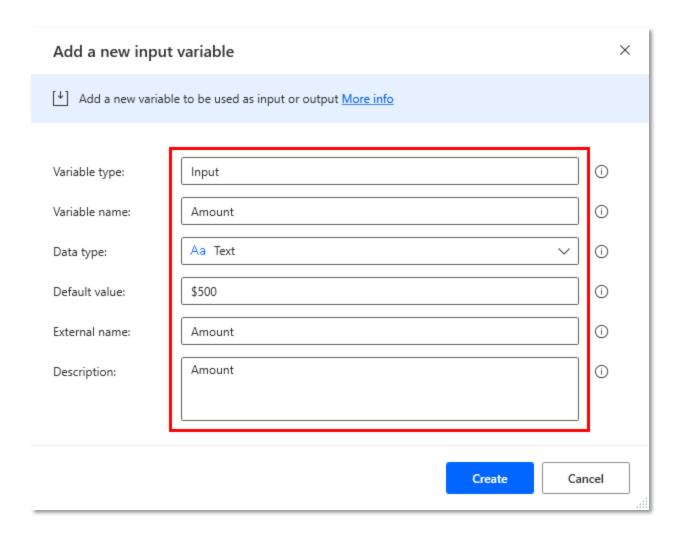
Variable Name: Amount

Data type: Text

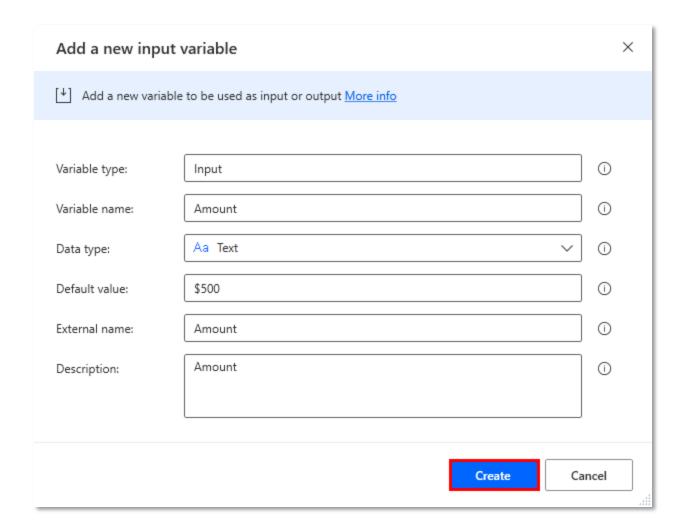
• Default value: \$500

External Name: Amount

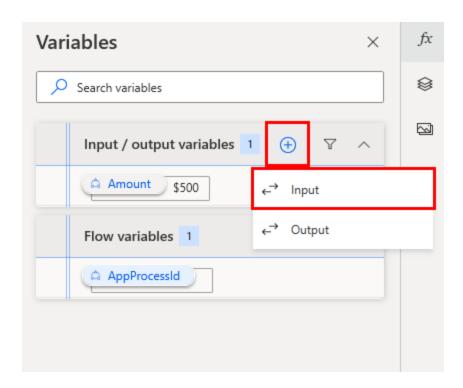
Description: Amount



8. Click Create.



9. Click > Input to add 2 more inputs.



10. Use these values to setup two new added inputs.

• Variable Type: Input

• Variable Name: Contact

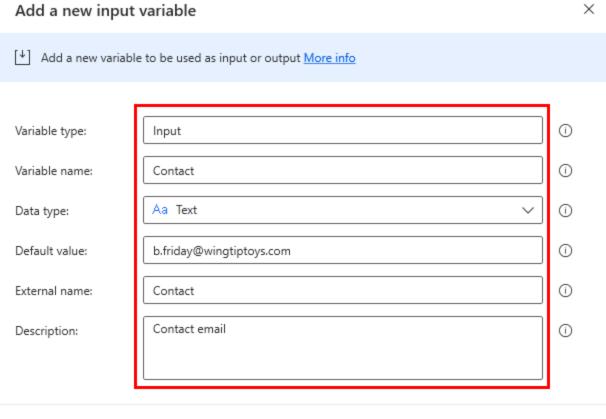
• Data type: Text

• **Default value:** b.friday@wingtiptoys.com

• External Name: Contact

• **Description**: Contact email

Add a new input variable



Create

Cancel

Variable Type: Input

Variable Name: Account

Data type: Text

Default value: WingTip Toys External Name: Accountname

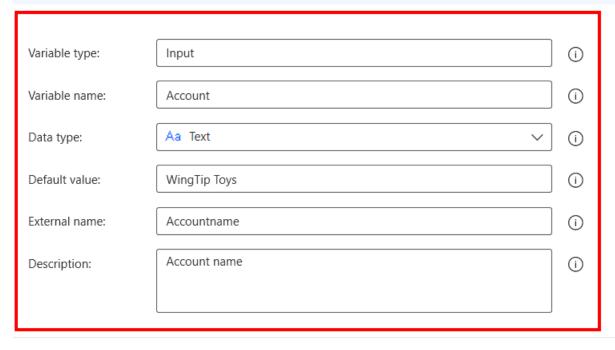
Description: Account name

11

Add a new input variable

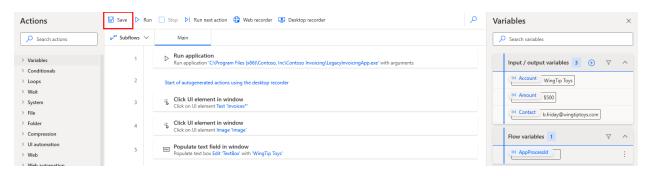
X

[4] Add a new variable to be used as input or output More info

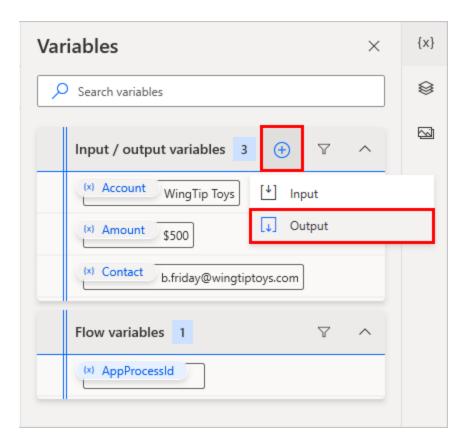




11. Click Save.



12. On the right-side **Input/output variables**, click > **Output** to add your first **output**.



13. Use these values to setup the first output:

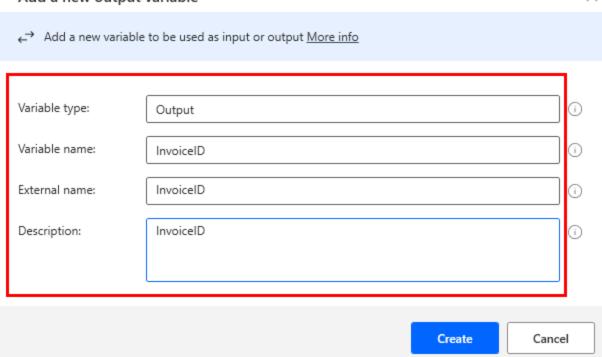
• Variable Type: Output

• Variable Name: InvoiceID

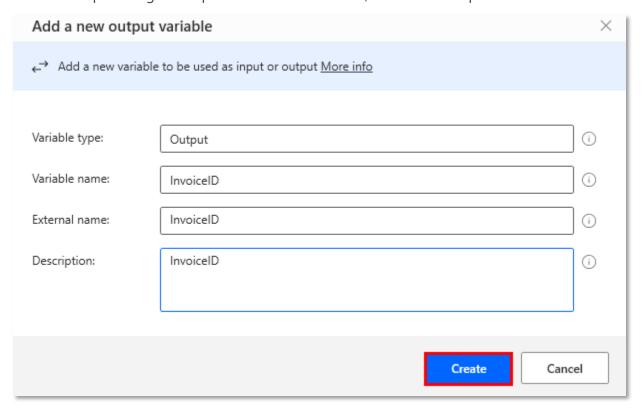
• External Name: InvoiceID

• **Description**: InvoiceID

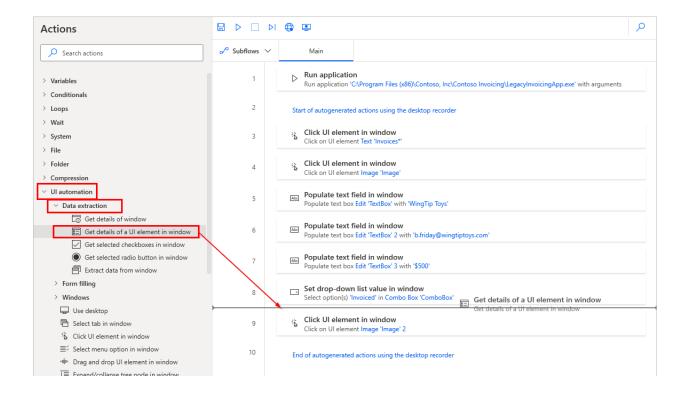
Add a new output variable



14. After providing the required values in each field, click **Create** to proceed.



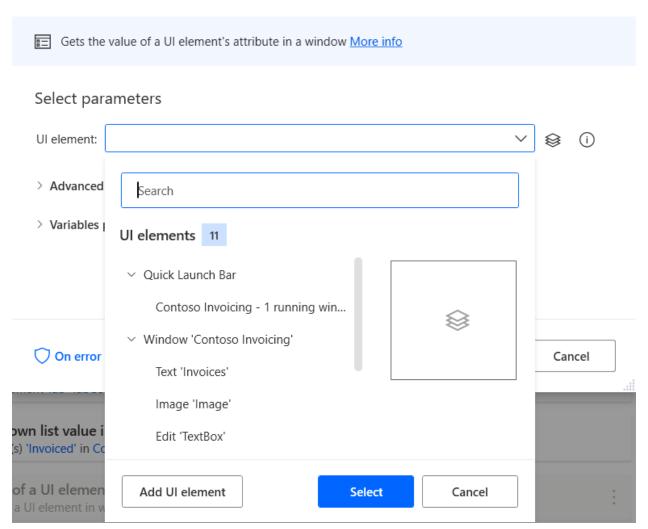
15. Within our process, we now need to add an action to set this output. Please ensure the Contoso application is still running. Drag the **Get details of a UI element's attribute in a window** from **UI automation** > **Data extraction** folder under **Step 8** in your actions.



16. Click on the **UI element** dropdown and then click **Add a new UI element**.

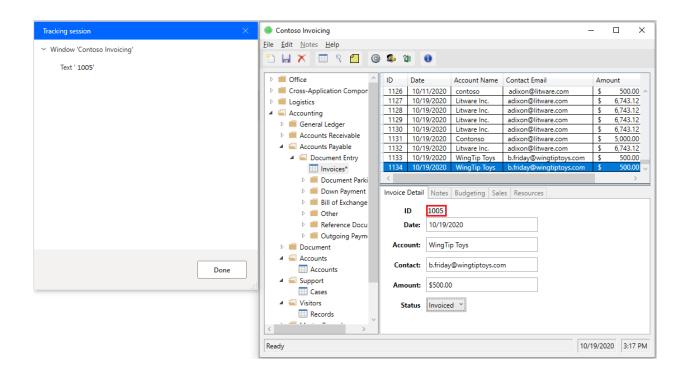
Get details of a UI element in window

X

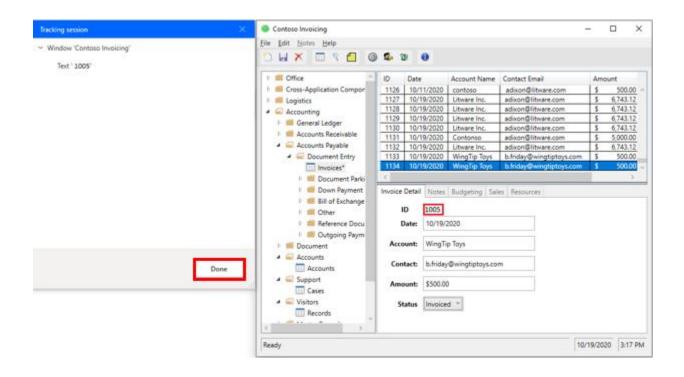


Note: A red rectangle appears in the browser while hovering the mouse over the elements.

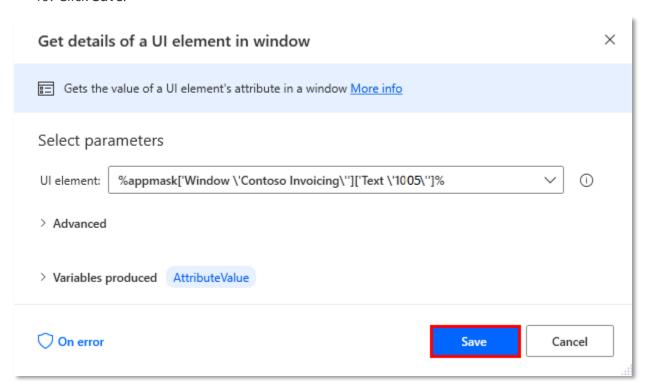
17. Go to **Contoso Invoicing app**, move the mouse over the value that belongs to ID number. Hold the **CTRL key** on your keyboard and then **Left-Click** to select the element (You may have a different ID than the number displayed here).



18. Once you selected the element, you will see the value appeared in tracking session. Click **Done**.

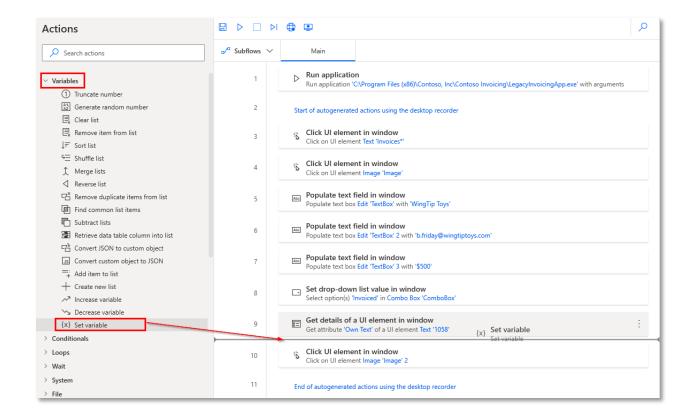


19. Click Save.



Note: This action will automatically create a variable called **AttributeValue** as an output that we can refer to in subsequent actions within Power Automate Desktop.

20. Add **Set variable** action from **Variables** folder under **Step 9** (**Get details of a UI element in window** we just created).



21. We will now set an **InvoiceID** variable that will be used to capture the Invoice ID that we previously captured in step 21. This allows us to use the Invoice ID in downstream processes or from our API flow that will be created in a future lab. Use below information to fill out **Set variable**:

Set: %InvoiceID%

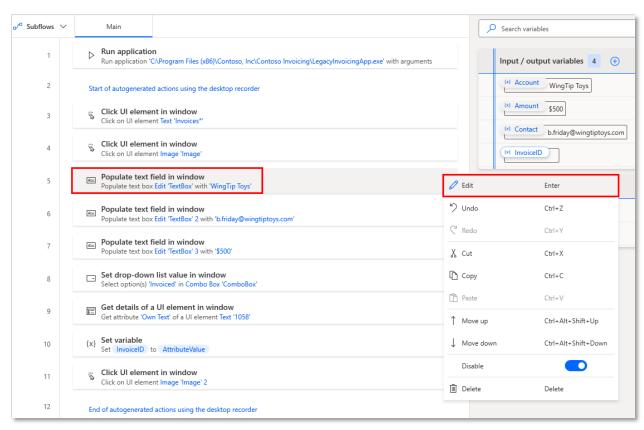
To: %AttributeValue%

Note: You can also use the fx button to assign our AttributeValue from a dropdown list.

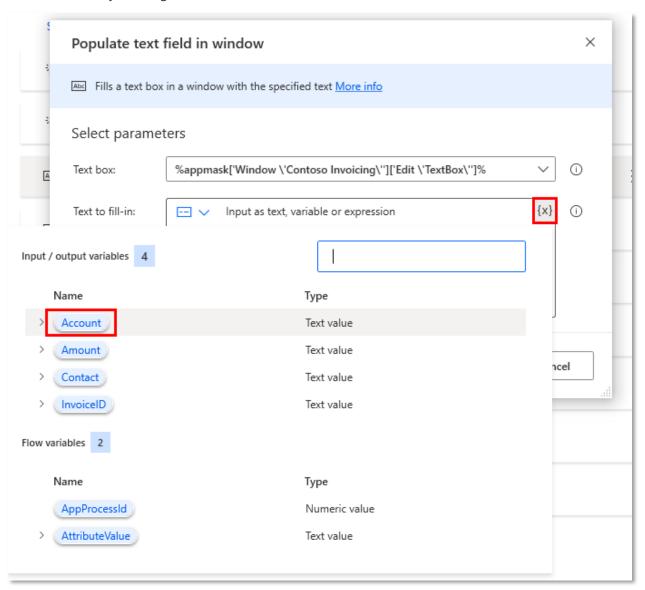
22. Click Save to complete this step.

Set variable ×

23. Go back to **Step 5 (Edit 'TextBox' with 'WingTip Toys)** of your UI flow, click ... icon. Select **Edit**.



24. Delete the value in **Text to fill-in**. Double click **Account** (One of the inputs we created earlier) by clicking $\{x\}$ > **Account**.



25. Click Save.

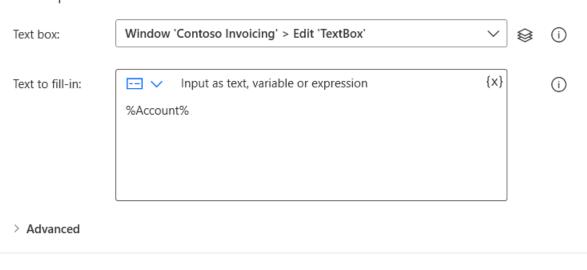
Populate text field in window



Abc Fills a text box in a window with the specified text More info

Select parameters

On error



26. Follow the same steps above to change the value in **Text to fill-in** in **Step 6** and **Step 7**.

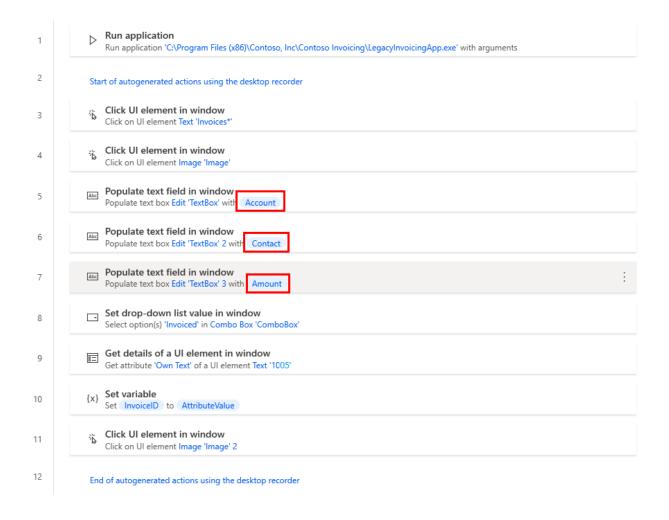
Save

Cancel

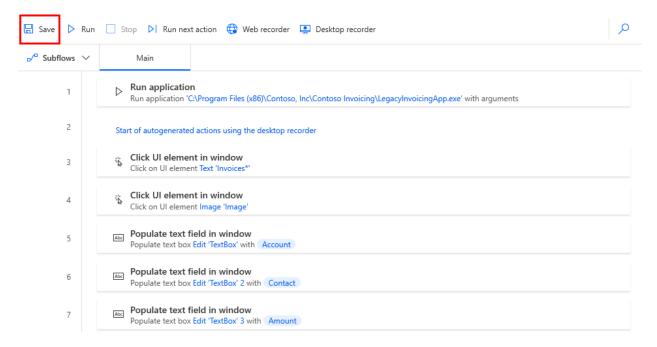
- Use Input Contact for Step 6
- Use Input Amount for Step 7



27. Once you're done, your actions should look like the screenshot below.



28. Click Save.



29. Now you can test your flow by clicking Run.



Check your knowledge

Lab 4

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1.	 If you need to pass parameters from a Cloud flow into a Desktop flow, where define these values? 					
	A. RunB. Run next actionC. Input/output variablesD. None of the above					
	Answer: C. Input/output variables allow the maker to establish parameters that can be sent from a Cloud flow. In addition, output variables can be used to send data back to Cloud flows.					
2.	We need to hold the key on keyboard and then to select the element.					
	 A. Shift + Right-Click B. Shift + Left-Click C. CTRL + Left-Click D. CTRL + Right-Click 					
	Answer: C. CTRL + Left-Click					
3.	Which of the following action allows us to use Invoice ID in downstream desktop flow actions or is required in order to return the value to ca cloud flow?					
	A. Create new listB. Set variableC. Add item to listD. Increase variable					
	Answer: B. Set variable - This will capture the Invoice ID. It will allow us to use the Invoice ID in downstream processes or send back to our cloud flow that will be created in a future lab.					

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