

1. What is the primary benefit of using generative AI in Document Automation?
  - It enables the extraction of data from unstructured documents.
2. During email automation, you need to filter emails by subject content, sender, and the date received. Which of the following methods should you use?
  - Configure the Loop action's filtering options specifying subject content, sender, and received date criteria.
3. A developer wants to validate that a field value does not exceed a certain amount, say \$10,000. Which type of validation should they implement in Document Automation?
  - Use a field rule with a comparison operator to check if the value is greater than \$10,000.
4. While working on an automation, a developer decides to pass multiple values into a Python function. However, they realize that only one variable can be passed directly. What is the best approach the developer can use to pass multiple values?
  - Pass a dictionary, list, or table variable containing multiple values
5. A developer wants to pass data from a parent Task Bot to a child Task Bot. What must the developer ensure in the child Task Bot for this data to be received?
  - Mark variables as input.
6. Automation developer is parsing the following XML message containing user information with name and department tags inside a user tag.  
<USER> <NAME>Jack</NAME> <DEPARTMENT>  
Training</DEPARTMENT> </USER>
7. What is the correct XPath expression to extract the value of the name tag?
  - /USER/NAME
8. You need to create an automation that processes emails with attachments in your Outlook mailbox. The automation should save these attachments to a specific folder on your system. What is the correct sequence of actions to achieve this?
  - Connect to the email server, Loop through unread emails, save attachments to the folder, disconnect from the email server.

9. When working with web applications, Recorder: Capture is used to manipulate controls. When working with legacy Windows applications, what action do you use to manipulate controls?

- The Legacy Automation package

10. While debugging an automation, a developer needs to inspect the contents of a data table variable. What is the most efficient method to do this within Automation 360?

- Use the debugging feature to view the data table in memory.

11. Which action is most appropriate when a developer wants to convert a list of variables into a single string with items separated by commas?

- List: Join items

12. Your automation requires looking up a salesperson by the state assigned to them. This list is contained within an XLSX file. Since you must perform this look-up many times in the automation, what is the most efficient way to do this?

- Read the XLSX file into a Dictionary variable, using the state as the key and the salesperson as the data. Treat the variable like an associative array.

13. A developer is using Document Automation to extract data from an unstructured mortgage document. After processing, the loan term field returns "15 years" instead of just the number "15." What should the developer do to correct this using rules?

- Add a field rule to replace the word "years" with an empty string.

14. In Document Automation, how can a developer ensure that an extracted field value is flagged if it contains non-numeric characters, using the power of regular expressions?

- Add a field rule using a regular expression that matches numeric values only and flag the field if it does not match.

15. Using Document Automation, a developer needs to ensure that if the OCR confidence for a particular field is below a certain threshold, the document should be sent to validation. Where should this threshold be set?

- In the field properties under the confidence setting.

16. An automation developer has a Task Bot that frequently logs into an application. To reuse this code in multiple automations, what approach should the developer take?

- Create a sub-taskbot for login and reuse it.

**17. In a scenario where your automation needs to process emails containing sensitive information, how can you ensure that the automation only processes emails from a trusted sender?**

- Use the Loop action with a filter set to the specific sender's email address.

**18. The automation must handle multiple workbooks with similar invoice data structures. Each workbook has different worksheets for various departments. How should the automation be configured to process invoices from the correct worksheet in each workbook?**

- Use the Switch to Sheet action with dynamic worksheet names based on the department.

**19. You have recorded an application window object, but it is failing to identify the window during your automation execution, and you notice that the Window title includes the current date and time. What should you do to fix your automation?**

- Replace the dynamic part with a wildcard

**20. When configuring the loop for capturing multiple items on a page, why is it important to initialize a counter variable?**

- To determine the number of elements to be captured.

**21. When using the JSON: Convert JSON to Dictionary with a JSON message with repeating nodes (in an array format), what is the format of the Dictionary variable?**

- Dictionary with the parent node name > Dictionary with indexed key > List variable > Dictionary with named key

**22. A developer is tasked with automating the process of handling purchase orders in a Supply Chain Management system. The developer is concerned about ensuring that the automation accurately reads the purchase order data from a webpage and correctly fills out another webpage based on this data. During testing, the developer notices that a dollar sign needs to be stripped from the order total before it is entered into the form. What should the developer do to ensure the bot handles this properly?**

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- Use String: Replace to remove the dollar sign in the order total.

**23. You are tasked with creating an automation that processes unread emails from a specific subfolder in your Outlook mailbox. After processing each email, the email is marked as read. Which of the following steps is essential to ensure the automation correctly loops through all unread emails and updates their status?**

- Set the iterator type in the Loop action to "Email for each mail in mailbox" and choose "Unread" for the emails to process.

**24. You want to automate sending an email notification whenever a specific keyword is found in the body of an unread email. How can this be best implemented?**

- Use a Loop action to iterate through unread emails and include an If statement inside the loop to check for the keyword.

**25. In an automation, a loop is used to process rows of data from an Excel file. The loop contains a message box to display the current row's value after a certain condition is checked. If the condition is not met, the message box is skipped. Which action in the loop controls whether the message box is displayed or not?**

- If action

**26. You are automating a web application using the Recorder package's Capture action. You notice that some objects on the web page have properties that change every time the page is refreshed. What is a potential issue with objects whose properties change when the page is refreshed?**

- The Capture action won't locate them

**27. Your automation needs to locate the most-recent file in a folder. You found some Python code that works well at the command prompt but doesn't seem to work in your automation. What needs to be done to make this Python code work?**

- Convert the code to a function and return a value

**28. A developer wants to return a complex data structure (e.g., a list or dictionary) from a Python function within Automation 360. What is the best way to handle the function's output?**

- Return a JSON or XML encoded string

**29. A developer wants to ensure that any errors in the Python script do not crash the entire automation. What is the best practice to handle this?**

- Use a Try-Catch block to catch any errors

**30. An Automation developer used a REST Web service: Get method to send a request and get the response in XML. Once the response was received, what is the name of the 'key' to be used to capture the body of response?**

- body

**31. You have a printed-to-file (digitally created) PDF and a scanned PDF. You need to extract data from them using Automation 360. Which type of PDF can have its data extracted using the PDF: Extract Text action in Automation 360?**

- Only printed-to-file PDFs

**32. While creating a learning instance in Document Automation, a developer wants to ensure that a certain field is always extracted from the document, and if it is not present, the document should be sent to validation. How can they best achieve this?**

- Set the field as required in the field properties.

**33. When adding a new field to extract data from an unstructured document using Document Automation, the developer notices that the default search query for Generative AI is not adequate to extract the data they need. What should they do?**

- Modify the search query to better match the data they want to extract.

**34. A developer wants to create a robust bot that can handle unexpected errors and clean up resources, such as closing files or terminating sessions, even if an error occurs. How should this be implemented?**

- Use a Finally block to execute cleanup actions

**35. A developer adds an "If" action within a loop to check if a number is greater than 100. If the condition is true, a loop break is performed. What should the developer replace the break action with to ensure that the loop processes the next row without exiting?**

- A "Continue" action

**36. When using a child Task Bot, which type of variable can be used to return multiple values to the parent Task Bot in an organized way?**

- Dictionary variable

**37. When looping through items in a list, what can a developer do if they want to skip an item based on a specific condition**

- Use a Loop: Continue action inside an if action.

**38. While designing an automation that loops through Excel rows, a developer uses a "String: To Number" action inside the loop. What is the main purpose of this action in the context of this automation?**

- To convert text values to a numeric variable.

**39. You are extracting multiple values from an XML message in Automation 360 using XML package. Which action should you use if you need to extract non-repeating nodes from an XML message?**

- XML: Get Single Node

**40. After capturing an HTML table into a data table variable, the developer notices the header row is not required. How should they remove this header row?**

- Use the Data Table: Delete Row action and set the index to zero.

**41. A developer wants to remove an item from a list variable based on its position. What is the starting index used to identify the position of items in a list variable?**

- 0

**42. A user needs to ensure they receive email reports for certain notifications. What must they do?**

- Enable email reports in their notification settings

**43. Where can a user find visualizations of the code quality of their automations, including the severity of any violations or errors, in the Automation Command Center?**

- Governance tab

**44. A developer is working with Document Automation to extract a loan ID number that should always start with the characters "ST." How can the developer ensure that any extracted loan ID that does not start with "ST" is flagged for manual review?**

- Add a field rule that checks if the loan ID value starts with "ST" and flag it if it does not.

**45. An administrator wants to globally disable email reports for all users on the Automation 360 platform. What is the correct procedure?**

- Turn off email notifications in the Notification Channels section

**46. A site you must automate displays a list of purchase orders. There are 1000 total purchase orders. There is a drop-down list that allows you to display the orders in pages of 10, 25, 50, or 100 at a time. There is a search box that allows you to find a record. At the bottom are controls to display the pages of data. What is the most efficient way to find a specific purchase order from the list?**

- Enter the purchase order number into the search box, capture the table, and parse the values from the table variable by row and column index.

**47. A developer wants to log every action taken by the bot for auditing purposes, regardless of whether the automation execution is successful or results in an error. Where should the developer place the logging actions?**

- Inside the Finally block

**48. You are comparing the Plain Text and Structured Text options in the Extract Text action. What is a characteristic of Structured Text extraction compared to Plain Text?**

- Structured Text uses spaces to simulate the original document's format

**49. If a captured element's DOMXPath path changes slightly between different items, what is the best approach to generalize the XPath for dynamic capture?**

- Identify the index in the XPath that changes and use an index variable.

**50. You receive a JSON message from a REST web service. This message contains values that must be modified before forwarding the message to another system. What combination of actions best allows you to modify the message?**

- Using JSON: Get Node Value, modifying the values, and then JSON: Update Node Value

**51. Why is it important to refresh the list of open windows when capturing objects in a pop-up window?**

- To capture additional elements that may not be visible initially.

**52. When processing email attachments, the developer realizes that the attachments include signature logos from the emails. What should the developer do to manage these appropriately?**

- Filter out non-essential files by their extension while processing.

**53. You receive a JSON message from a REST web service. This message contains an array labeled "users", along with multiple users and their associated information. Since there are multiple users, you decide to use the JSON: Get Node List to parse the individual users. What action is needed next to parse the individual users?**

- Loop: Through Each JSON Node

**54. While working with a JSON message, a developer wants to extract a numerical value and directly assign it into a number variable for further processing. Which method should they use?**

- Use JSON: Get node value and provide a number variable

**55. Using Document Automation Learning Instance, a developer needs to validate that the monthly rent amount extracted from a lease document contains only numeric values. Which feature should they use to achieve this?**

- Field rules to enforce a data type of "Number" for the rent amount.

**56. You have created an automation to connect to your Outlook mailbox and process emails in plain text format. After retrieving the required information, the automation sends a summary email to a specified recipient. How should you ensure the automation closes the email server connection correctly?**

- Use the disconnect action outside the loop, after processing all emails.

**57. An automation developer automating support ticket management needs to log in to the ticketing system before extracting the data. To ensure the web page fully loads before proceeding to the next step, which action should be included in the automation considering the best practices?**

- Wait: Wait for window

**58. You are designing an automation to interact with a web application. You need to automate tasks to interact with objects on the web page. To achieve this, you decide to use the Capture action within the Recorder package of your automation tool. What can you use the Capture action to perform to the web application?**

- Click buttons and fill in text fields



59. A developer is debugging their automation and wants to verify that a specific JSON key's value has been correctly extracted into a dictionary variable. Which feature should they use to inspect the variable's contents?

- Use a breakpoint and watch the dictionary variable in debug mode

60. If an Automation 360 user wants to view an overview of all the features available in the Automation Command Center on a single page, where should they look?

- My Dashboard

61. An automation contains a loop that processes Excel rows. Inside the loop, a "Continue" action is used when a certain condition is met. What will happen when the condition for the "Continue" action is true?

- The loop will skip the current iteration.

62. A developer is tasked with ensuring that a JSON message contains an additional key-value pair. What should the developer do?

- Use JSON: Add node value to add the key-value pair

63. Your automation needs to call a REST API, using the GET method. Why is using the GET method less secure than other REST methods?

- It can pass data in the URL.

64. What would be a suitable approach to extract data if the number of repeating elements on the webpage changes frequently, affecting the automation's accuracy?

- Determining the number of elements and looping through them.

65. A developer needs to add a new node to an existing JSON message that contains multiple nested levels. The new node should be added at the root level. Which action should they use?

- Use JSON: Add node value with the node path set to \$\$

66. You are automating the processing of a JSON message that contains a list of employees. You have used the JSON: Get Node List action to extract the list of employee nodes into a list variable named lEmployees. Which action should you take next to iterate over each employee node and retrieve their details?

- Use a Loop action with the iterator type set to 'For Each Item in the List.'

**67. An automation developer needs to save email attachments from each email within an email account. Which action should they use to ensure attachments related to one email are present in the downloaded folder at a time?**

- Loop through All Emails, Save Attachments, Process Attachments, Delete the contents in the folder and Proceed to the next iteration

**68. You are building an automation that places a bid on an auction site at the last moment. There is a counter on-screen, ticking down the seconds until the auction ends. What is the best way to have the automation wait until the last second to place a bid?**

- Use a Recorder: Capture to read the current value of the counter off the screen. Use a Delay with that value to wait and place the bid.

**69. What is the purpose of the “Quick Map Variables” feature in the Task Bot Run action?**

- To automatically map variables that share the same name and data type.

**70. Automation developer is trying to extract data using the PDF package from a password-protected PDF that restricts editing but not viewing.**

- Enter the password in the User Password field

**71. A developer has just logged into Automation 360 and wants to quickly access a list of the automations they’ve recently developed. Which feature in the Automation Command Center should they use?**

- Development tab

**72. A developer is tasked with connecting to an enterprise web server to access emails. They need to authenticate using OAuth 2. Where is the best place to store the necessary credentials?**

- Credential Vault

**73. While creating a parent and child Task Bot structure, a developer needs to return data from the child to the parent. How should the variable in the child Task Bot be configured?**

- Mark as output.

**74. A developer is working on an invoice processing automation. After copying the past due invoices to a separate worksheet, the automation must also mark those invoices as processed in the original "Invoices" worksheet. How can this be efficiently achieved without disrupting the automation flow?**

- Add a new column in the "Invoices" worksheet labeled "Processed" and flag each processed invoice.

**75. If a user only wants to see notifications that are high risk or require caution, which feature should they use?**

- Filter by Attention Needed

**76. You have successfully used PDF: Extract Text to extract text from a PDF document. What is the best approach you can take to handle the extracted data from the output text file?**

- Have the automation open the text document and parse the data

**77. A developer is working with a list variable and needs to display each item individually in a message box. What should be done with the list items before they are displayed?**

- Assign the current list item to a string variable.

**78. During the development of an automation, a developer needs to capture and store specific error messages for reporting purposes. What is the best way to accomplish this?**

- Use a Try-Catch block and store the error message in a variable

**79. What should you do if the DOMXPath for an element includes static index that needs to be made dynamic?**

- Replace static index with a variable that changes based on the loop iteration.

**80. When configuring the loop for capturing multiple items on a page, why is it important to initialize a counter variable?**

- To determine the number of elements to be captured.

**81. You are creating a large automation with over 200 actions. Which action from the Task Bot package should you use to improve maintainability by breaking down the automation into smaller parts?**

- Run

**82. A developer wants to sort the data in a data table by the first column, but the HTML table they captured does not have explicit column names. What should they use to sort the data?**

- Sort the data using the column index.

**83. In an automation, a developer uses the 'Python script: Execute Function' action to pass a sentence to a Python function and retrieve the reversed sentence. Why might the developer choose the Execute Function action over the Execute Script action?**

- Python script: Execute Function can pass arguments to the Python function

**84. In Document Automation, the developer is extracting data from a mortgage document. He needs to ensure that the monthly mortgage payment field shows "N/A" if the loan term is zero. How can this be achieved?**

- Use a document rule to check the loan term and set the monthly mortgage payment to "N/A" if it's zero

**85. An Automation developer used a REST Web service: Get method to send a request and get the response in XML. Once the response was received, which action should be used to fetch the value of a single node?**

- XML: Get Single Node

**86. An automation developer is creating an automation to extract user data from a web page. The data in that page loads after a delay of 15 to 45 seconds. What action should the developer include in the steps to extract the data?**

- Wait: Wait for screen change

**87. An automation developer uses the "Run" action in a Task Bot to start another Task Bot. What happens after the child Task Bot completes execution?**

- The parent Task Bot continues from where it left off.

**88. When looping through a list variable in Automation 360, what is the purpose of assigning the current list item to a string variable?**

- To display or update the value of the list item.

**89. A developer used an Error Handler: Try action and has several actions within it. There is a Catch action present but does not have any actions contained within. During testing, they notice that the automation plays back without any error messages, but it pauses for about 30 seconds, then the "Bot has completed successfully" message appears. How can they see what caused the delay in processing? Identify the best answer following automation development best practices.**

- Within the Catch, create variables for the Error Message and Error Line Number. Use a Message Box within the Catch to display the values of those variables.

**90. A developer notices that data is not being passed from the parent to the child Task Bot. What is the most likely causes? Choose two.**

- The input variables in the child bot were not named the same as the output variable in the parent bot.
- Variables were not marked as input in the child bot.

**91. What is a common challenge when automating the 'Save As' dialog in Excel, and how can it be addressed?**

- The dialog frequently changes its layout; use multiple capture actions to handle this.

**92. You receive a JSON message from a REST web service. You decide it is easier to parse the JSON message if it is contained in a Dictionary variable, so you use JSON: Convert JSON to Dictionary. Inside the message is a repeating array of users. How are these users processed?**

- Use the Loop: Through Each JSON Node to process each of the items in the List, based on the Dictionary node name

**93. A developer is working on an automation to forward emails after processing their attachments. What additional information do they need to successfully set up the forwarding functionality?**

- SMTP IP address, port, protocol, and authentication information

**94. You are designing an automation to interact with a web application. You need to automate tasks to interact with objects on the web page. To achieve this, you decide to use the Capture action within the Recorder package of your automation tool. What can you use the Capture action to perform to the web application?**

- Click buttons and fill in text fields

95. When creating a loop to iterate through Excel rows, the developer needs to store the current row data in a variable. Which type of variable should be used for this purpose?

- Record variable

96. Why should you uncheck properties that are specific to a particular item in the object properties when extracting data from a web page with repeating items?

- To ensure the object properties are only applied to a single instance of all the repeating items.

97. When creating a loop to iterate through Excel rows, the developer needs to store the current row data in a variable. Which type of variable should be used for this purpose?

- Record variable

98. You are developing an automation that retrieves and processes emails from an Outlook mailbox. After successfully processing an email, the automation must send a follow-up email to confirm receipt and include the original email's subject in the reply. How can you achieve this?

- Use the "emailSubject" dictionary key to retrieve the subject and include it in the Send Email action's subject field.

99. You have an automation that must select an item from a drop-down list. Which of the following is the best way to select an item?

- Use a Recorder: Capture to capture the drop-down list, use Select Item by Name, and provide the name of the item.

100. When looping through items in a list, what can a developer do if they want to skip an item based on a specific condition?

- Use a Loop: Continue action inside an if action.

101. A developer mistakenly uses a data table variable to temporarily store data while manipulating rows. They notice that rows get out of order after deletions. What is likely causing this issue?

- Row indices change when rows are added or removed.

**102. Automation developer is trying to extract data using the PDF package from a password-protected PDF that restricts editing but not viewing. How should you handle the password fields when setting up the Extract Text action?**

- Enter the password in the User Password field