**UiPath Foundation Level 1 to Final Test All MCQ (RPA UiPath)**

1. When is it recommended to use Desktop recording?
   1. When you automate more steps in the same window
2. What recording wizard would you use to automate UI interactions in an application that does not offer support for selectors?
   1. Citrix Recording
3. How can you record the start of a Web application?
   1. Hit Record - Web - Open Browser - select browser
4. In order to make a UI selector stable you need to

a). Choose fixed properties.

b). Use Attach to Live Element

1. How can you extract a table from a web page
   1. By using the Data Scraping Wizard
   2. By using the Extract Structured Data Activity.
2. Is “Workflow2.xaml” a good name for a reusable workflow?
   1. No
3. Which of the following phrases are true regarding Project Organization?
   1. Saves time for all team members
   2. Is a constant concern of the robot developer
4. What is the recommended layout to define business logic in a complex process automation
   1. Flowchart
5. As a best practice, how should workflows use a local desktop application
   1. By checking if the corresponding process is running and if not, opening the application by using the Open Application activity.
   2. By using selectors to interact with the application.
6. What activity is used to chain together multiple workflows in a single automation
   1. Invoke workflow File Activity
7. How can you manage passwords for an automation project
   1. With Windows Credential Manager
8. How can you trigger another workflow from within your current one
   1. By using the Invoke workflow File Activity
9. Which of the following is a good example of a workflow name
   1. GetCustomerNumber.xaml
10. What type of arguments can you use in a workflow
    1. In
    2. Out
    3. In/Out
11. If you need to know if a UI Element is available on the screen or not, what activity should you use:
    1. Element Exists
12. Where can you see the variables’ values during workflow execution
    1. In the Locals Pane
13. What can you use to make sure that the execution continues even if an activity fails
    1. Try/Catch Activity
14. What happens if you put a Breakpoint on a Click activity and start the workflow in Debug mode
    1. The workflow will be paused until you click the Continue button.
15. When running a workflow how can you see the steps the workflow is executing
    1. Using Debug with Highlight Activities option,
    2. Using Debug and inspecting the Output panel
16. How many Catches can you have in a Try/Catch block?
    1. There is no limit on the number of catches.
17. If you want to wait until a UI Element becomes available on the screen, what activity should you use?
    1. Find Element
18. Which of the following properties are found in the Get Outlook Mail Messages activity
    1. MailFolder
19. What is the output of the Save Mail Message activity
    1. It saves a.eml file
20. If the PDF activities are not listed in your Activities Panel, how can you get them
    1. By installing them using the Manage Packages feature.
21. We have a native PDF invoice and we need to read the amount in USD next to the label AMOUNT. What methods can we apply to get the desired value
    1. Open the file in Acrobat Reader or any other compatible PDF reader and use Anchor Base with the label as an anchor
    2. Use the Get Text activity with a reliable selector (if available) in order to only retrieve the amount from the PDF file.
    3. By installing them using the Manage Packages feature.
22. Will the Read PDF with OCR activity open the PDF document on the screen in order to read it
    1. No
23. If you want to extract specific information from multiple native PDF files with the same structure, what activity should you use
    1. Get Text
24. Which of the following methods can be used for reading text from a native .pdf document
    1. Read PDF Text Activity
    2. Read PDF with OCR Activity
25. What happens if you use the Excel Read Range activity to read a .xlsx file that is already opened
    1. It will read the document successfully.
26. What activity should you use to read all the data from a .xlsx file
    1. Excel Read Range
27. You have an Excel table with two columns named "PersonName" and "Age". What happens if you use the activity Insert Column with the Column Name property set to "Age"
    1. An exception is throw.
28. Imagine you have to use a Type Into activity in an element that loads slowly. Will it be a good idea to add some delays before executing Type Into?
    1. Yes, use On element appear and start typing only after the trigger happens.
    2. No, this solution is not reliable because sometimes the loading time can take more than the delay time.
29. How can we make sure that an app is in a certain state in a Citrix environment?
    1. By waiting for certain UI elements to appear or disappear and making decisions based on that.
30. How can you start an application within a Citrix environment?
    1. Double clicking the application icon on the desktop
    2. Defining a shortcut key and then triggering the app with a Send Hotkey activity
31. What is the output of the Workbook Read Range activity?
    1. A DataTable
32. How can you close a running application?
    1. By using the Close Application activity
    2. By sending Alt + F4 with the Send Hotkey activity
    3. By using the Kill Process activity
33. How can you extract a table from a web page?
    1. By using the Data Scraping Wizard.
    2. By using the Extract Structured Data Activity.
34. What activity should be used to allow a user to click on a UI Element after being blocked using the Click Trigger activity?
    1. Replay User Event
35. Will a Click activity work with a Hidden browser session?
    1. Yes, if the SendWindowMessages property is selected.
    2. Yes, if the SimulateClick property is selected.
36. What is the UiExplorer good for?
    1. To Make Selectors Stable.
37. What can you use to add more details about the process in the workflow itself?
    1. Adding Activity Annotations.
    2. The Comment Activity.
38. Can you hover the mouse over a specific UI Element?
    1. Yes, by using Hover OCR Text activity.
    2. Yes, by using Hover Image activity.
    3. Yes, by using Hover Text activity.
39. How can you grab text from a notepad window inside Citrix?
    1. By using the Get Text with OCR activity
    2. By using Screen Scraping/Relative Scraping.
40. What happens if you send "123[k(enter)]" by using Type Into activity with the SimulateType property selected?
    1. It will type "123[k(enter)]".
41. Is notifying the user via a Message Box activity a good way to keep track of a workflow’s execution progress?
    1. No
42. What is the recommended layout to define business logic in a complex process automation?
    1. Flowchart
43. What is the recommended layout for sequential activities?
    1. Sequence
44. What activity is used to chain together multiple workflows in a single automation?
    1. Invoke workflow file activity
45. When is it recommended to use nested If activities inside workflows?
    1. You should avoid using nested If activities.
46. How should an RPA developer address runtime exceptions in the workflows?
    1. By logging any exception events
    2. By using automatic recovery sequences inside the Catch blocks.
    3. By using Try/Catch blocks when invoking external workflow files
47. Which of the following phrases are true regarding Project Organization?
    1. Is a constant concern of the robot developer
    2. Saves time for all team members
48. Is “Workflow2.xaml” a good name for a reusable workflow?
    1. No
49. As a best practice, how should workflows use a local desktop application?
    1. By checking if the corresponding process is running and if not, opening the application by using the Open Application activity.
    2. By using selectors to interact with the application.
50. How can you run the process slower in order to analyze the robot’s behavior in certain conditions?
    1. By setting up Breakpoints and running the workflow in Debug mode.
    2. By using Slow Step and running the workflow in Debug mode.
51. What is recommended to have in a Catch block?
    1. An alternative to the approach that fails
    2. A LogMessage activity
52. What is the most effective way to handle the click on a UI Element that is not always available?
    1. By placing the Click activity inside a Try/Catch block.
53. If you need to stop the workflow until a UI Element has disappeared from the screen, what activity should you use?
    1. Wait Element Vanish
54. What does the Locals panel display when you are working in Debug mode?
    1. The current values of your variables.
55. The Finally block of a Try/Catch activity is executed when:
    1. Every time, regardless if an exception occurred or not.
56. When running a workflow how can you see the steps the workflow is executing?
    1. Using Debug and inspecting the Output panel
    2. Using Debug with Highlight Activities option
57. How can execution be paused before a particular activity?
    1. By using a MessageBox activity
    2. By using a breakpoint in Debug mode
58. If you want to wait until a UI Element becomes available on the screen, what activity should you use?
    1. Element Exits.
59. Which of the following activities will allow you to only retrieve unread messages?
    1. Get IMAP Mail Messages
    2. Get Outlook Mail Messages
60. The Save Attachments activity can save all the attachments of an email to:
    1. A relative Path
    2. An absolute Path
61. Which of the following properties are found in the Get Outlook Mail Messages activity?
    1. MailFolder
62. What activity can you use to send an email without entering the username and password of the email account?
    1. Send Outlook Mail Message
63. The Send Outlook Mail Message activity will work without having Microsoft Outlook installed:
    1. FALSE
64. 68.If you are using the For Each activity to loop through a list of MailMessage variables, what should you set the TypeArgument property to?
    1. System.Net.Mail.MailMessage
65. How can you send an image inside a MailMessage?
    1. You can add the path to the attachment directly in the send activity.
    2. You can specify the relative path of the image in the Attachments property.
66. What activity allows you to customize the name of the sender when you are sending an email?
    1. Send SMTP Mail Message
    2. Send Exchange Mail Message
67. Will the Get Outlook Mail Message activity delete the emails from the account after it reads them?
    1. No
68. Which Visual Basic property within the MailMessage class will you use to get the Date of an email?
    1. Headers(“Date”)
69. Which of the following statements regarding the Read PDF with OCR activity are true?
    1. It allows you to specify the range of pages to be read
    2. It can use different OCR engines (Microsoft, Google)
    3. It works with native .pdf files
70. Which of the following activities requires the PDF file to be opened with Acrobat Reader in order to read it?
    1. Get Text
71. If you want to extract specific information from multiple native PDF files with the same structure, what activity should you use?
    1. By installing them using the Manage Packages feature.
    2. Get Text
72. 76.How can a robot read only the first page of a PDF file, using the PDF activities?
    1. Set the Range property to: “1”
73. What activity should you use to extract all the text from the PDF file?
    1. Read PDF Text
    2. Read PDF with OCR
74. How can you specify the location of a PDF file?
    1. As a full path to the PDF
    2. As a Relative Path
75. What is the easiest way to get the invoice number from a native PDF file?
    1. Open the PDF with Acrobat and scrape only relevant information
76. The Read PDF with OCR activity will throw an error if the following is not specified:
    1. The OCR Engine that is to be used.
    2. The FileName property.
77. What should you use if you want to get the value of a specific cell from a row in a datatable?
    1. Get Row Item.
78. What happens if you use a Read Range activity with the Range property set to “” (an empty string)?
    1. Reads all the information from the specified sheet
79. What activity should you use if you want to add data to an existing .xlsx document?
    1. Excel Append Range
    2. Workbook Append Range
80. What happens if you try to use a Write Range activity to a .xlsx file that does not exist?
    1. It will create that file for you and write the data in it.
81. If you need to sort a table from an .xlsx file, what should you use?
    1. An excel Sort Table Activity.
82. What activity you should use if you want to calculate a sum into a cell using Excel formulas?
    1. Excel Write Cell
83. What activity should you use to read all the data from a .xlsx file?
    1. Excel Raed Range
84. In order to loop through all the rows of a datatable, which activity should be used?
    1. For Each Row
85. Which of the following activities can be used to select an item in drop down list, in Citrix?
    1. Click OCR Text
    2. Click Image
86. 90.How can the robot pass a variable argument when opening an application in Citrix (eg: a web address for a browser)?
    1. In the command prompt, type in the path to the application and the argument
87. How do you reset a clipping region?
    1. With a Set Clipping Region activity
88. What does the Find Image activity return?
    1. An UI Element object.
89. How can we make sure that an app is in a certain state in a Citrix environment?
    1. By waiting for certain UI elements to appear or disappear and making decisions based on that.
90. What is the EASIEST navigation method to be used in a form within Citrix?
    1. By sending keyboard commands/hotkeys
91. Can a Pick Branch activity be used alone?
    1. No, it can only be added inside a Pick activity body.
92. If a Click Image activity was created with an image of an icon, and meanwhile that icon becomes highlighted, will the activity still work?
    1. Yes, if the clipping region avoids the background of the icon.
    2. No, if the accuracy is too high.
93. What happens if Find Image doesn’t actually find the desired image?
    1. An Exception is Throw.
94. What can be done when the Windows Remote Connection doesn’t allow sending hotkeys?
    1. It should work if the Windows Remote Connection is in ‘full-screen’ mode.
95. Having an app in a Citrix environment with multiple text-boxes that look the same (size/style), how can you identify one of them to type into?
    1. By clicking relative to an unique text/image next to the textbox
    2. You can’t identify it if it doesn’t have something unique next to it (text/image).
96. What method would be more reliable when clicking on a specific text label in an application running in a Citrix environment, given the fact that its font size might be easily changed?
    1. Using the Click OCR text Activity
97. What method do you need to use to extract the text font and color when automating in a Critrix Environment?
    1. It's impossible to retrieve the text color from a Citrix environment
98. Is Reset Clipping Region mandatory to be executed at the end of a scrape relative sequence?
    1. Yes, because Clipping Region is a shared resource.
99. Is it possible to click a button with Click Image Activity if the target is not visible on the screen?
    1. No, you could click a button which is not visible only using selectors
100. How can you improve accuracy when scraping with OCR a region that contains only digits?
     1. Use Google OCR with “Numbers Only”
101. Consider having an application in Citrix Environment that has a button named ‘Accept’ and also a label that contains the Accept word. How can Click Text be customized in order to access the correct button?
     1. By using the Occurrences Property.
102. Click Image and Click Text are not 100% reliable in Citrix environments. What method can be used instead (when applicable) to have safer actions?
     1. Setting focus on a reliable element and then navigating around the app using keyboard (up/down arrows, tab, etc) or using keyboard shortcuts
103. Can you use image/text automation outside of an Citrix enviroment?
     1. TRUE
104. Can you store a Selector in a variable?
     1. Yes of the type String
105. Can the robot perform clicks alongside key modifiers (Shift, Ctrl etc) in a Citrix environment?
     1. YES
106. How can you see the full list of attributes of Ui elements?
     1. By using the UiExplorer Tool
107. Which of the following statements are true regarding the Find Element activity?
     1. It returns the found element in a variable for later use
     2. It throws an exception if it doesn’t find the element on screen
108. This is a reliable selector for a dynamic page: "webctrl idx='144' tag='IMG'/"
     1. FALSE
109. What are the supported wildcard characters for selectors in UiPath Studio?
     1. ?
     2. \*
110. What is UiExplorer used for?
     1. To create and fine tune selectors
     2. To explore the UI tree
111. Can a valid selector identify different elements on the screen at the same time
     1. No.
112. How many characters does "\*" replace?
     1. Zero or More
113. What is the slowest method of reading text?
     1. OCR
114. The most important advantages of the FullText method are:
     1. It work in the background
     2. It is Fast
     3. It is accurate
115. What text extraction method can you use to get text position?
     1. Native
     2. OCR
116. What property should you use to make sure that the workflow continues even if an activity fails?
     1. ContinueOnError Property
117. What defines the amount of time in which the UI target of an activity must be found?
     1. The TimeoutMS property
118. How do you avoid mistaking the currently opened window with another similar one?
     1. By working inside a container.
119. A UI Element target can be composed of (if it does not use a UiElement variable):
     1. Selector
120. What is Attach Window used for?
     1. Identifying the window you are working with.
121. By using the Full Text scraping method, the robot is able to:
     1. Get Hidden Information
     2. Get Editable Text
122. How do you enable the (Clipping) Region selection mode when Screen Scraping?
     1. By Pressing F3
123. What type of container will Web Recording generate?
     1. Attach Browser
124. What actions can you record using Automatic Recording?
     1. Type Into
     2. Click
125. How can you record the start of a Web application?
     1. Hit Record - Web - Open Browser - select browser
126. What is the difference between Desktop recording and Basic recording?
     1. Desktop recording generates containers
     2. Basic recorder generates full selectors
127. What type of container will Basic Recording generate?
     1. No Container
128. How do you stop the recording?
     1. Escape or Right Click
129. 132.Can you combine automatic recording with step-by-step recording in the same recording sequence?
     1. YES
130. What recording profiles are available in UiPath Studio
     1. Basic
     2. Desktop
     3. Web
     4. Citrix
131. What recording wizard would you use to automate Virtual Machine actions?
     1. Citrix Recording
132. What activities can be used to iterate through an Array
     1. For Each
     2. While
133. How can you identify a column in a data table?
     1. Using The column Index
     2. Using the Column Name
134. What activity can be used to modify the value of an existing cell in a DataTable
     1. Assign Activity
135. How can we test if a given address (a string variable called fullAddress) can be found on a particular street (a string variable called streetName)?
     1. fullAddress.Contains(streetName)
136. What activity can be used to loop through each row from a DataTable?
     1. For Each Row
137. What activity can you use to get the value from a certain cell, from a specific data table row
     1. Get Row Item
138. How can the index integer variable be displayed inside a Message Box activity
     1. “Current index is: “ + index.ToString
139. Which of the following data types are included in the Collections category?
     1. Dictionary
     2. List
140. If the dtNewHires datatable has 4 columns, in this order : [ID, Name, Age, Sex] and 2 rows: [1, Daniel, 38, M] ; [2, Andra, 24, F], what is the result of the expression dtNewHires.Rows(0)(1)?
     1. Daniel
141. What activity should you use to select one choice from multiple choices, based on the value of a given expression?
     1. Switch Activity
142. What data types can be stored inside an array?
     1. Integer
     2. String
143. Can you insert a Flowchart activity in a Sequence
     1. Yes
144. Which activities allow you to iterate through an array of strings?
     1. while
     2. For Each
     3. Do While
145. Which activity can you use if you want to loop through a collection of items?
     1. For Each activity
146. What happens if you rename a variable from the Variables tab?
     1. The name will be automatically updated in all the activities that use it.
147. What type of argument can you define to retrieve data from an invoked workflow
     1. Out.
148. In which types of variable can you store text?
     1. String
     2. Generic
149. When having multiple activities executing in a fixed sequential order, what kind of workflow should you use?
     1. Sequence
150. You can insert a Sequence activity in a Flowchart activity.
     1. TRUE
151. 154.Where should you store login details in a safely manner
     1. In UiPath Orchestrator
     2. In the Windows Credentials Manager
152. 155.Which of the following is the IDE used to develop the UiPath workflows?
     1. UiPath Studio
153. The Orchestrator can:
     1. Remotely control robots
     2. Send Start commands to multiple robots
     3. Schedule robots to perform specific processes
154. What are Queues used for?
     1. Distribute transactional load among multiple robots
155. What is UiPath Explorer used for?
     1. To get detailed information in regard to UI elements
156. How can you extract structured data from a web page?
     1. Using the Data Scraping Wizard
157. Where can you see the list of activities that you can use in a workflow?
     1. In the Activities panel
158. What kind of actions can be performed in the Variables panel?
     1. Setting default values for variable
     2. Changing variable type
     3. Adding new variable
159. Getting the content of a PDF document is possible:
     1. By opening the pdf and using screen scraping to get its data
     2. By using the read Pdf text activity and providing the pdf file’s path
160. The Type Into activity can receive inputs like:
     1. A variable followed by .tostring method
     2. A static String
161. Generic Variable are:
     1. Text
     2. Number
     3. Date
     4. Boolean
162. Which of the following statements is true regarding Lists and Arrays?
     1. List items can be added using an Add to Collection activity.
     2. You can iterate through a List using a For Each loop activity
     3. Array and List elements can be accessed by index.
163. Will a Click activity work with a Hidden browser session?
     1. Yes, if the SimulateClick property is selected
     2. Yes, if the SendWindowMessages property is selected.
164. What activity can you use to read an entire sheet from an excel file?
     1. Read Range
165. How can we make sure that an app is in a certain state in a Citrix environment?
     1. By waiting for certain UI elements to appear or disappear and making decisions based on that
166. Where can you see the activities that make up a workflow?
     1. In the Workspace pane
     2. In the Outline pane
167. How can you fine tune a selector?
     1. Replacing variable attribute parts with \*
168. What should you use to scrape tables from a web page?
     1. Data Scarping
169. Which of the following activities can you use to extract text from a hidden browser?
     1. Extract Structured Data
     2. Get Full Text
     3. Get Text
170. What is a wildcard used for?
     1. To replace variable values in selector attributes
171. Which of the scraping methods can get you the hidden text in the element?
     1. FullText
172. As a best practice, how should workflows use a local desktop application?
     1. By using selectors to interact with the application.
     2. By checking if the corresponding process is running and if not, opening the application by using the Open Application activity.
     3. By opening the application using the Click Image activity on the application’s desktop shortcut.
173. How can you install and update activity packs?
     1. Using Manage Packages within Activities Pane
174. What type of argument can you define to pass data and retrieve the modified value from an invoked workflow?
     1. In/Out
175. How can we test if a given address (a string variable called fullAddress) can be found on a particular street (a string variable called streetName)?
     1. fullAddress.Contains(streetName)
176. What activity allows you to customize the name of the sender when you are sending an email?
     1. Send Exchange Mail Message
     2. Send SMTP Mail Message
177. What should you use to click in a hidden IE browser?
     1. SimulateClick
178. What is TimeoutMS property used for?
     1. To define the amount of time during which the target of an activity must be found
179. If the PDF activities are not listed in your Activities Panel, how can you get them?
     1. By installing them using the Manage Packages feature.
180. What kind of actions can be performed in the Variables panel?
     1. Setting default values for variables
     2. Adding new variables
     3. Changing variable types
181. What happens if you use the Write Range activity with the Range property set to “” to write a datatable to an excel file that already contains data?
     1. It will append the new data to the existing data.
182. 196. What is a sequence most suitable for?
     1. Short and simple workflows
     2. Pieces of automation that can be used in a larger project
183. what is an argument?
     1. An input/output parameter of the workflow
184. Which of the scraping methods can get you the hidden text in the element?
     1. FullText
185. If you scrape some text and you know it contains only digits, how can you make the scrape better?
     1. Use Google OCR with the “Numbers Only” option
186. Is it possible to make an image automation if you are not in a Citrix environment?
     1. Yes, but should be used as last resort
187. Which of the following activities can you use to extract text from a hidden browser?
     1. Get FullText
     2. Get Text
188. Which of the following input methods works in background?
     1. Window Messages
     2. Simulate Type/Click
189. There is an input field with the text “abc”. If you use the Type activity with the text “123” and the following Properties: SimulateType checked, EmptyField unchecked, what will be the text in the field?
     1. 123
190. A Click Trigger has the EventType = EVENT\_SYNCHRONOUS. The activities in the Event Handler are executed before the click is sent to the application
     1. TRUE
191. What kind of workflow should you create to define business rules?
     1. Sequence
     2. Flowchart
192. How should you organize your workflow?
     1. Use Flowchart or State Machine for a high level organization
193. How can you extract text from a Citrix application?
     1. Using Microsoft OCR
194. How can you automate a Citrix application?
     1. Using Image
     2. Using Text
     3. Using the Keyboard
195. How can you find all anchor elements in a web page?
     1. Using the Find Children activity
196. 210.When is it recommended to use containers?
     1. When performing multiple operations in the same window
197. How can you filter records from a DataTable based on a condition?
     1. Checking the condition in a For Each Row loop
     2. Using the 'Select' method
198. What happens if the AddHeaders property is checked for the Read Range Activity?
     1. The first row from the specified range is considered to be the column header
199. What should you use to check if a checkbox is selected or cleared?
     1. Get Attribute activity
200. What is a wildcard used for?
     1. To replace variable values in selector attributes
201. How does UiPath recognize elements on screen?
     1. Using attributes of the UI elements
202. What is the Attach Window activity used for?
     1. To specify the top-level window container you will be working with
203. How can UiPath identify an UI element on the screen?
     1. By using a full selector
     2. By using a partial selector inside a container
     3. By using a reference of it, previously saved in a variable
204. How can you fine tune a selector?
     1. Adding all parents
     2. Replacing variable attribute parts with \*
205. Which recording profile generates full selectors?
     1. Basic recording
206. Which activities can be used to interact with the user?
     1. Input Dailog
     2. Message Box
207. What is the technique used to indicate an item from a popup menu that disappears on click?
     1. Delayed selection
208. When should you use the Flowchart workflow?
     1. When modelling a process that has loops to previous states
     2. When having a process with many decision blocks
209. How can you install and update activity packs?
     1. Using Manage Packages within Activities Pane
210. Where can you find the value written by the Write Line activity?
     1. In the Output pane
211. Where can you see the activities that make up a workflow.
     1. In the Workspace pane
     2. In the Outline pane

### A.1. Quiz 1 Answers

1. What recorders are best suitable for automating virtual environments?
   * Citrix
2. How can you extract structured data from a web page?
   * Using the Data Scraping Wizard
3. Which of the data types can be stored in a generic variable?
   * String
   * Integer
   * Boolean
4. Where should you store login details in a safely manner?
   * In the Windows Credentials Manager
   * In UiPath Orchestrator
5. The Orchestrator can:
   * Remotely control robots
   * Schedule robots to perform specific processes
   * Send Start commands to multiple robots
6. Which of the following is the IDE used to develop the UiPath workflows?
   * UiPath Studio
7. What activity can you use to type text in an application's filed?
   * Type into
8. How can we change the scope of a variable?
   * By using the Manage Variables section of the Ribbon menu
   * By using the Variables panel
9. Can you retrieve text from a Citric environment?
   * Yes, using the Scrape Relative function in combination with an OCR engine.
10. The Type Into activity can receive inputs like:
    * a variable followed by the .toString method
    * a static string

### A.2. Quiz 2 Answers

1. What happens if you rename a variable from the Variables tab ?

-The name will be automatically updated in all the activities that use it.

1. How can you display an Integer value, myNumber, inside a Message Box window?

- “My number is “ + myNumber.ToString

1. When should you use the Flowchart workflow?

-When having a process with many decision blocks, When modelling a process that has loops to previous states

1. What is the best way to make a three-way decision inside a Flowchart?

-By using a Flow Switch activity

1. What data types can be stored inside an array?

- Double, Integer, Boolean, String

1. What activity should you use to select one choice from multiple choices, based on the value of a given expression?

- Switch activity

1. You can insert a Sequence activity in a Flowchart activity.

- True

1. Can you insert a Flowchart activity in a Sequence?

- Yes

1. Which of these are workflow types available in UiPath Studio?

- Sequence, Flowchart

1. When having multiple activities executing in a fixed sequential order, what kind of workflow should you use?

- Sequence: The name will be automatically updated in all the activities that use it.

### A.3. Quiz 3 Answers

1. What variable type can you use to efficiently store the current time inside your workflows?
   * DateTime
2. Which of the following statements are true regarding the Output DataTable activity?
   * Returns the data contained in a DataTable as a string in a csv format
3. How can the index integer variable be displayed inside a Message Box activity?
   * "Current index is:" + index.ToString
4. How can a string variable called myString be converted to an all-capitals representation for future use?
   * By using Assign activity with myString on the left side and myString.ToUpper on the right side.
5. What key combination allows you to automatically create a variable from an activity's property filed?
   * Ctrl + K
6. If currentRow represents a row from a DataTable with two column in this order: Name and Age, what expression can be used to obtain the value from the column Age?
   * currentRow("Age")
7. How can you identify a column in a data table?

* Using the column name
* Using the column index

1. What type of variables can be used as output for the Read CSV activity?
   * DataTable variables
2. What activity can you use to get the value from certain cell, from a specific data table row?
   * Get Row Item
3. Which of the following statements is true regarding Lists and Arrays?

* Array and List elements can be accessed by index.
* You can interate through a List using a For Each loop activity.
* List items can be added using an Add to Collection activity

### A.4. Quiz 4 Answers

1. How can you record the start of a Web application?
   * Hit Record - Open Browser- select browser
2. How do you add activities to a workflow?

* from the Activities Panel by dragging and dropping
* from the Step by Step Recording Action pane

1. What is the difference between Desktop recording and Basic recording
   * Basic recorder generates full selector
   * Desktop recording generates containers
2. How do you stop the recording?
   * Escape
3. How can you delay the Automatic Recording?
   * By hitting the F2 key
4. What recording profiles are available in UiPath Studio?
   * Basic, Desktop, Web, Citrix
5. What recording profile would you use to generate full selectors?
   * Basic Recording
6. What type of container will Basic Recording generate?
   * No container
7. Can you combine automatic recording with step-by-step recording in the same recording sequence?
   * Yes
8. Which of the following is a selector of an Attach Browser container activity?
   * <html app='chrome.exe' title='Google' />
9. What actions can you record using Automatic Recording?
   * Type into, Click
10. What recording wizard would you use to automate UI interactions in an application that does not offer support for selectors?
    * Citrix Recording
11. What recording wizard would you use to automate Virtual Machine actions?
    * Citrix Recording
12. What recording wizard would you use to generate partial selectors?

* Desktop Recording
* Web Recording

### A.5. Quiz 5 Answers

1. What is the best activity for scraping tables from a web page?
   1. Data scraping wizard
2. What text extraction method can you use to get text position?
   1. OCR
   2. Native
3. What is the best method to extract white text written on blue background in a desktop app?
   1. By using the Google OCR engine with Invert flag (maybe)
4. What is Attach Window used for?
   1. Identify the window you are working with
5. What would be the best method to retrieve results from multiple Google pages?
   1. Data Scraping, because it can operate with structured data and return a data table
6. What is the slowest method of reading text?
   1. OCR
7. The main advantage of the OCR method is:
   1. It works on every application even if it's running in a virtual environment
8. Which of the text extraction methods can return the hidden text from a UI element?
   1. FullText
9. Which of the following text scraping methods preserve the text position?
   1. Native
   2. OCR
10. How can you extract while text written on blue background in Citrix?
    1. By using the Microsoft OCR engine invert property

### A.6. Quiz 6 Answers

1. How can you improve the following calendar page selector to work only for dates in 2017?
   1. "html app='chrome.exe' title='UiPath - Calendar - Week of May 1, 2017' />"
   2. "html app='chrome.exe' title='UiPath - Calendar - \* 2017' />"
2. How long will the Robot try to find an UIElement (if it is not available) on the desktop?
   1. The value in milliseconds of the activity's TimeoutMS property.
3. What are the supported wildcard characters of selectors in UiPath Studio
   1. \*, ?
4. Which of the following statements are true regarding the Find Element activity?
   1. It throws an exception if it doesn't find the element on screen
   2. It returns the found element in a variable for later use
5. Can a valid selector identify different elements on the screen at the same time?
   1. No
6. What is the Highlight activity used for?
   1. To explore the UI tree
   2. To create and fine tune selectors
7. The Element Exists activity throws an exception if it doesn't find the specified element on the screen
   1. False
8. Can partial selectors be used inside a container (Attach Window or Open Application activities)?
   1. Yes
9. Can you store a Selector in a variable?
   1. Yes, of the type String
10. How many characters does "\*" replace?
    1. Zero or more
11. Can UiExplorer be used to record UI interactions?
    1. No
12. Which of the following is a valid full selector (Selects first and last container) ?

- <html app='chrome.exe' title='Yahoo Finance' />   
 <webctrl idx='1' parentid='data-util-col' tag='TABLE' />   
 <webctrl isleaf='1' tableRow='3' tag='TD' />  
- <wnd app='explorer.exe' cls='Shell\_TrayWnd' /> <wnd cls='Start' title='Start' />

1. How can you improve a selector?
   1. By selecting only stable attributes, if possible
   2. By replacing dynamic attribute values parts with the "\*" or "?" wildcards
2. Can full selectors be used inside a container (Attach Window or Open Application activities)?
   1. Yes
3. This is a reliable selector for a dynamic page: "webctrl idx='144' tag='IMG'/"
   1. False
4. How can you see the full list of attributes of Ui elements?
   1. By using the UiExplorer tool.

### A.7. Quiz 7 Answers

1. What activities can be used to interact with applications in a Citrix environment?
   1. Type Into
   2. Click Image
   3. Click OCR Text
2. What method do you need to use to extract the text font and color when automating in a Citrix environment?
   1. It's impossible to retrieve the text color from a Citrix environment
3. You can use image/text automation outside of a Citrix environment?
   1. True
4. What is the best way to scrape a selectable text in a Citrix environment?
   1. Select the entire text and Copy
5. Creating automation in a Citrix environment is challenging because:
   1. You don't have direct access to UI elements.
   2. You need to interact with the app using only Image Recognition and OCR
6. Can a robot perform clicks alongside key modifiers (Shift, Ctrl etc) in a Citrix environment?
   1. Yes
7. Is Reset Clipping Region mandatory to be executed at the end of a scrape relative sequence?
   1. Yes, because Clipping Region is a shared resource.
8. How can you improve accuracy when scraping with OCR a region that contains only digits?
   1. Use Google OCR with "Numbers Only"
9. Click Image and Click Text are not 100% reliable in Citrix environments. What method can be used instead (when applicable) to have safer actions?
   1. Settings focus on a reliable element and then navigating around the app using keyboard (up/down arrows, tab, etc) or using keyboard shortcuts.
10. What method would be more reliable when clicking on a specific text label in an application running in a Citrix environment, given the fact that it's font size might be easily changed?
    1. Using the Click OCR Text activity.
11. How can you scrape a field on a Citrix Environment when the value in that field changes each transaction?
    1. Find a static element nearby and use Scrape Relative.
12. Consider having an application in Citrix Environment that has a button named 'Accept' and also a label that contains the Accept word. How can Click Text be customized in order to access the correct button?
    1. By using the Occurrence property.
13. What does the "Accuracy" property describes in "Click Image" Activity?
    1. Minimum Similarities in [0..1] percentage units for an image to be returned as a match
14. By using Citrix Recorder, can you automatically record a set of actions in a virtual environment?
    1. No
15. Having an app in a Citrix environment with multiple text-boxes that look the same (size/style), how can you identify one of them to type into?
    1. By clicking relative to an unique text/image next to the textbox
    2. You can't identify it if it doesn't have something unique next to it (text/image). (maybe)
16. Is it possible to click a button with Click Image Activity if the target is not visible on the screen?
    1. No, you could click a button which is not visible only using selectors. (maybe)

### A.8. Quiz 8 Answers

1. What happens if Find Image doesn't actually find the desired image?
   1. An exception is thrown
2. What does the Find Image activity return?
   1. An UI element object
3. Imagine you have to use a Type Into activity in an element that loads slowly. Will it be a good idea to add some delays before executing Type Into?
   1. Yes, use On image appear and start typing only after the trigger happens.
4. Which of the following activities can be used to select an item in drop down list, in Citrix?
   1. Click image
   2. Click OCR Text
5. How can we make sure that an app is in a certain state in a Citrix environment?
   1. By waiting for certain UI elements to appear or disappear and making decisions based on that.
6. What is the EASIEST navigation method to be used in a form with Citrix?
   1. By sending keyboard commands/hotkeys
7. How can you start an application within a Citrix environment?
   1. Double clicking the application icon on the desktop
   2. Defining a shortcut key and then triggering the app with a Send Hotkey activity
8. If a Click Image activity was created with an image of an icon, and meanwhile that icon becomes highlighted, will the activity still work?
   1. No if the accuracy is too high
   2. Yes, if the clipping region avoids the background of the icon
9. Can a Pick Branch activity be used alone?
   1. No, it can only be added inside a Pick activity body.
10. What can be done when the Windows Remote Connection doesn't allow sending hotkeys?
    1. It should work if the Windows Remote Connection is in 'full-screen' mode.
11. How do you reset a clipping region?
    1. With a Set Clipping Region activity
12. How can the robot pass a variable argument when opening an application in Citrix (eg: a web address for a browser)?
    1. In the command prompt, type in the path to the application and the argument.

### A.9. Quiz 9 Answers

1. What happens if you try to use a Write Range activity to a . xlsx file that does not exist?
   1. It will create that file for you and write the data in it.
2. What happens if you use the Write Range activity with the Range property set to "" to write a database to an excel file that already contains data?
   1. It will overwrite the existing data.
3. What is the Output Data Table activity used for?
   1. Saves all data from the Data Table to a string variable.
4. What happens if the AddHeaders option is checked for Read Range activity?
   1. The first row form the specified range is considered to be the column names
5. What activity should you use if you want to add data to an existing .xlsx document?
   1. Workbook Append Range
   2. Excel Append Range
6. Can Excel related activities be used without having the Excel Application installed?
   1. Yes but only for xlsx files
7. What happens if you use a Read Range activity with the Range property set to "" (an empty string)?
   1. Reads all the information from the specified sheet
8. In order to loop through all the rows of a datatable , which activity should be used?
   1. For Each Row
9. How do you specify the Excel file to read from, in a Read Cell activity?
   1. In the WorkbookPath property, provide the full path of the workbook.
   2. In the WorkbookPath property, provide a relative path, if the workbook is in the project folder.
10. What activity can be used to read an entire sheet from a excel file?
    1. Read Range
11. What activity can you use to create a DataTable from an input string?
    1. Output Data Table
12. What activity you should use if you want to calculate a sum into a cell using Excel formulas?
    1. Excel Write Cell
13. You need to read from an Excel sheet and you don't know the range. What do you write in the "Range" property of the Read Range Activity?
    1. Write an empty string
14. If you need to sort a table from an .xlsx file, what should you use?
    1. An Excel Sort data table activity.
15. You have an Excel table with two columns named "PersonName" and "Age". What happens if you use the activity Insert Column with the Column Name property set to "Age"?
    1. An exception is thrown.
16. What is the best approach to filter data from a data table based on a condition?
    1. Using the 'Select' method.
17. What activity should you use to read all the data from a .xlsx file?
    1. Excel Read Range
18. What happens if you use the Excel Read Range activity to read a .xlsx file that is already opened?
    1. It will read the document successfully.
19. What activity can you use to create a DataTable from an input string?
    1. Generate Data Table
20. What should you use if you want to get the value of a specific cell from a row in a datatable?
    1. Output Data Table (maybe)

### A.10. Quiz 10 Answers

1. If the PDF activities are not listed in your Activities Panel, how can you get them?
   1. by installing them using the Manage Packages feature
2. Which of the following statements regarding the Read PDF with OCR activity are true?
   1. it works with native .pdf files
   2. it allows you to specify the range of pages to be read
   3. it can use different OCR engines (Microsoft, Google)
3. Which of the following methods can be used for reading text from a native .pdf document?
   1. UI Automation (open . pdf document in Adobe Acrobat Reader, then Get Text)
   2. Read PDF with OCR activity
   3. Read PDF with Text activity
4. Which of the following activities requires the PDF file to be opened with Acrobat Reader in order to read it?
   1. Get Text
5. Will the Read PDF with OCR activity open the PDF document on the screen in order to read it?
   1. No
6. What activity should you use to extract all the text from the PDF file?
   1. Read PDF with OCR
   2. Read PDF with Text
7. If the PDF contains both images and native text, what activity should you use to read all the text from it?
   1. Read PDF with OCR
8. What is the easiest way to get the invoice number from a native PDF file?
   1. Open the PDF with Acrobat and scrape only relevant information
9. How can a robot read only the first page of a PDF file, using the PDF activities?
   1. Set the Range property to: "1"
10. How can you specify the location of a PDF file?
    1. As a relative path
    2. As a full path to the PDF
11. If you want to extract specific information from multiple native PDF files with the same structure, what activity should you use?
    1. Get Text
12. We have a native PDF invoice and we need to read the amount in USD next to the label AMOUNT. What methods can we apply to get the desired value?
    1. Open the file in Acrobat Reader or any other compatible PDF reader and use Anchor Base with the label as an anchor.
    2. Use the Get Text activity with a reliable selector (if available) in order to only retrieve the amount from the PDF file.
13. Which of the following methods can be used for reading text from a native .pdf document?
    1. Read PDF with OCR activity
    2. Read PDF Text activity
    3. Ui Automation (open .pdf document in Adobe Acrobat Reader, then Get Text)
14. What is the easiest way to get the invoice number from a native PDF file?
    1. Open the PDF with Acrobat and scrape only relevant information
15. If you want to extract specific information from a series of PDF files with a similar structure but the workflow only works for one file of the series, what should you investigate?
    1. The Selector property.
16. The Read PDF with OCR activity will throw an error if the following is not specified:
    1. The FileName property.
    2. The OCR Engine that is to be used.

### A.11 Email Automation

1. What activities can you use to send an email message?
   1. send Outlook Mail Message
   2. send SMTP Mail Message
2. The Save Attachments activity can save all the attachments of an email to:
   1. An absolute path.
3. If you are using the For Each activity to loop through a list of MailMessage variables, what should you set the TypeArgument property to?
   1. System.Net.Mail.MailMessage
4. Which of the following properties are found in the Get Outlook Mail Messages activity?
   1. MailFolder
5. What activity can you use to send an email without entering the username and password of the email account?
   1. Send Outlook Mail Message
6. Which Visual Basic property within the MailMessage class will you use to get the Date of an email?
   1. Headers ("Date")
7. The Send Outlook Mail Message activity will work without having Microsoft Outlook installed:
   1. False
8. How can you send an image inside a MailMessage?
   1. you can add the path to the attachment directly in the send activity
   2. you can specify the relative path of the image in the Attachments property
9. Will the Get Outlook Mail Message activity delete the emails from the account after it reads them?
   1. No
10. If you want to get only filtered MailMessage variables, what activity should you use?
    1. Get Outlook mail messages
11. What is the output of the Save Mail Message activity?
    1. It saves a .eml file.
12. What activity allows you to customize the name of the sender when you are sending an email?
    1. Send SMTP Mail Message
    2. Send Exchange Mail Message
13. What is the supported variable type in the Output property field of all Get Mail activities (POP3, IMAP, Outlook, Exchange)?
    1. List (MailMessage)
14. Which of the following activities will allow you to retrieve only unread messages?
    1. Get Outlook Mail Messages
    2. Get IMAP Mail Messages
15. The Save Attachments activity can save all the attachments of an email to:
    1. An absolute path.
    2. A relative path. (maybe)

### A.12. Debugging and Exception Handling Quiz

1. Where can you see the variables' values during workflow execution?
   1. In the Locals pane
2. What happens if you put a Breakpoint on a Click activity and start the workflow in Debug mode?
   1. The workflow will be paused unti you click the Continue button.
3. What can you use to make sure that the execution continues even if an activity fails?
   1. Try/Catch activity
4. What does the Locals panel display when you are working in Debug mode?
   1. The current values of your variables
5. How can execution be paused before a particular activity?
   1. By using a breakpoint in Debug mode
   2. By using a Break activity
6. How can you run the process slower in order to analyze the robots behavior in certain conditions?
   1. by using Slow Step and running the workflow in Debug mode
   2. by using Slow Step and starting the workflow normally (maybe)
7. If you want to wait until a UI Element becomes available on the screen, what activity should you use?
   1. Find Element
8. If you need to know if a UI Element is available on the screen or not, what activity should you use?
   1. Element Exists
9. When running a workflow how can you see the steps the workflow is executing?
   1. using Debug with Highlight Activities option
   2. using Debug and inspecting the Output panel
10. Can you run the robot manually, step by step, in order to analyze the robot behavior in certain conditions?
    1. Yes, by using Step Into and Step Over.
    2. Yes, by using Breakpoints and running the workflow in Debug mode.
11. How many Catches can you have in a Try/Catch block?
    1. There is no limit on the number of catches.
12. The Finally block of a Try/Catch activity is executed when:
    1. Every time, regardless if an exception occurred or not.
13. What is recommended to have in a Catch block?
    1. A LogMessage activity.
    2. An alternative to the approach that fails.
14. When you have more than one exception type defined in the Catch block, which block is executed?
    1. The block with most specific match. (maybe)
15. Where can you find more details about the following error that appears when loading a workflow: "Activity could not be loaded because of errors in the XAML"?
    1. In Output pane.
16. What activity can be used in a Citrix environment to check whether a UI element is displayed or not?
    1. Image Exists
17. If you need to stop the workflow until a UI Element has disappeared from the screen, what activity should you use?
    1. Wait Element Vanish
18. How can execution be paused before a particular activity?
    1. By using a breakpoint in Debug mode.
    2. By using a MessageBox activity.
19. What is the most effective way to handle the click on a UI Element that is not always available?
    1. By placing the Click activity inside a Try/Catch block.