

EXPERIMENT - 2

Aim:- Systematically evaluate and compare the variable declaration processes across different Robotic Process Automation (RPA) tools.

Software Required :- Any RPA Tool (eg. UiPath, Blue Prism, Automation Anywhere).

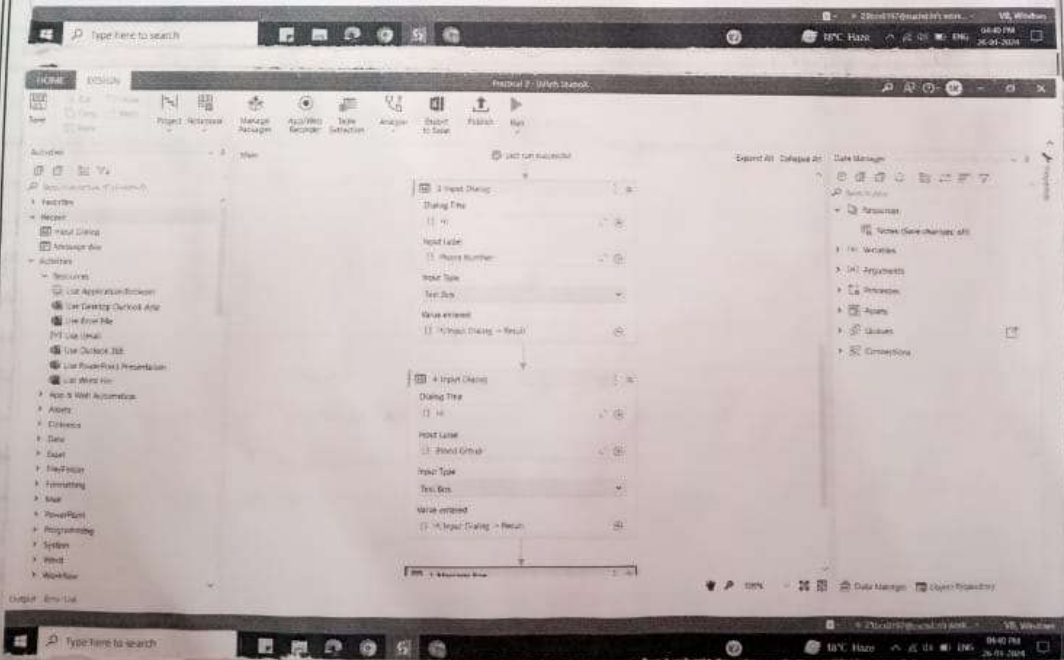
Relevance of the Experiment :- The proper declaration of variables is crucial in UiPath as it directly influences the efficiency and accuracy of automation workflows. Accurate naming conventions enhance the readability of the code, making it easier for developers to understand the purpose and usage of each variable. Clear and well-defined variable names also contribute to the maintainability of the automation project, facilitating collaboration among students. Moreover, precise variable declarations are essential for effective debugging, allowing developers to identify and address issues swiftly. In summary, adopting a thoughtful approach to variable naming and declaration in UiPath not only streamlines the development process but also contributes to the overall robustness and sustainability of automated processes.

Steps :-

1. Open UiPath Studio:- Launch UiPath Studio on your computer.
2. Open an existing project or create a new one where you

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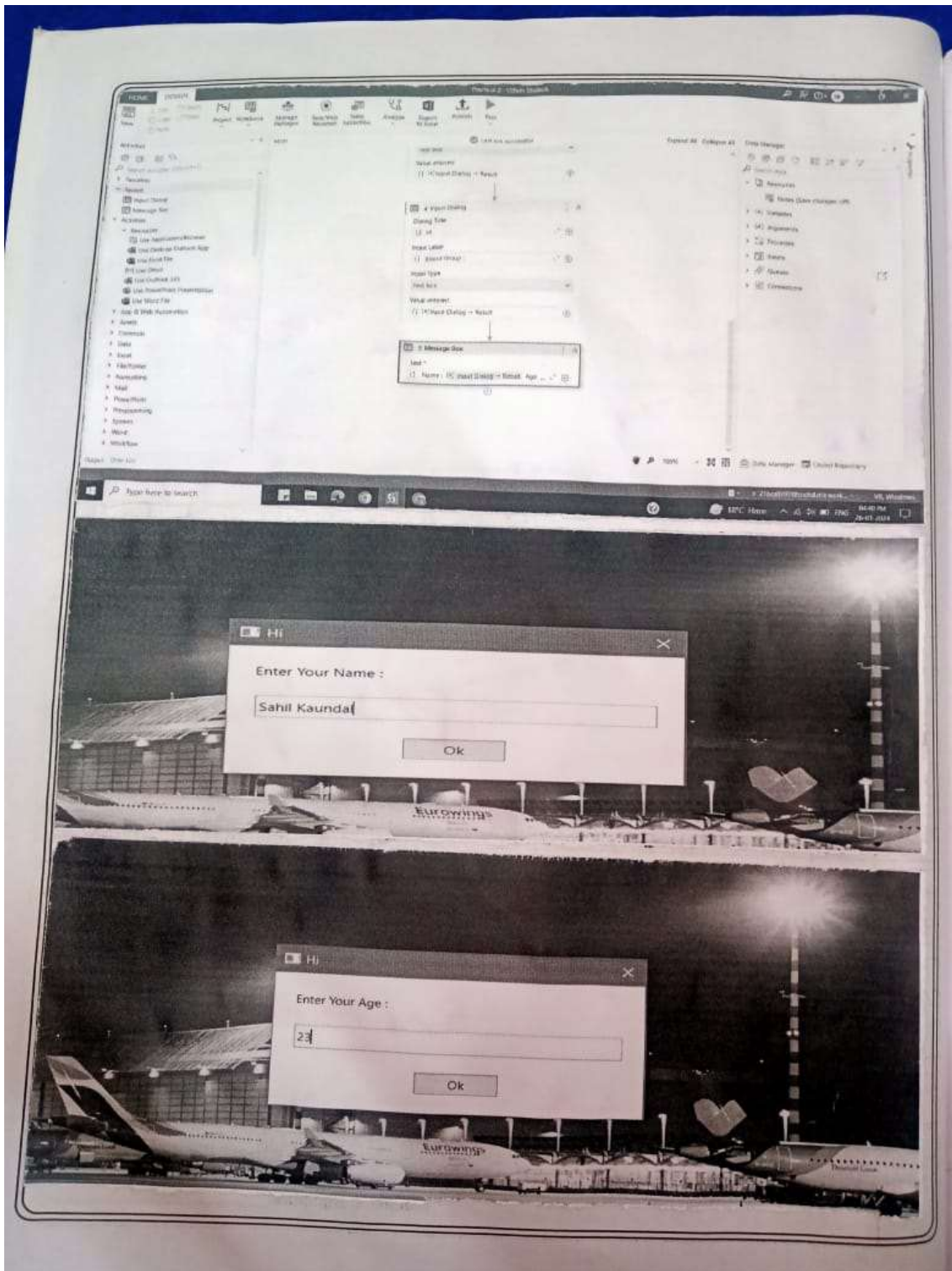


1. want to declare variables.
2. Navigate to Variables Panel, In UiPath studio locate the "Variables" panel. You can find it on the left side of the screen.
3. click on the "create button" variable in the Variables panel.
4. In the "Name" field, enter a meaningful and descriptive name for your variable.
Choose the appropriate data type for your variable. UiPath supports various data types, including String, Int32, Boolean, Double and more. Optionally, you can set an initial value for the variable.
5. Scope Selection:- Choose the scope of the variable, whether it is available at the project level, a specific workflow or a sequence.
6. Once you've entered the necessary details, click the "OK" button to confirm the creation of the variable.
7. Verify that the new variable appears in the Variables panel with the specified details.
8. Now that you have declared the variable, you can use it within your workflow activities. Drag and drop activities onto the canvas and use the declared variable as needed.
9. If you need to modify or delete a variable, you can do so by selecting the variable in the Variables panel and choosing the appropriate option.

Learning Outcomes:-

1. Gain a comprehensive understanding of how variables declaration is handled in various RPA tool.

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- (i) Develop proficiency in navigating the user interfaces of different RPA tools to locate and utilize features related to variable declaration.
- (ii) Acquire the ability to critically analyze and compare the variable declaration processes across multiple RPA tools.

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