

## ✓ Frequently Asked - Interview Questions

### 23. What is the difference between For Each, While, and a Do While activity?

Let's first understand the meaning of a loop:

In computer programming, a loop can be defined as a sequence of instructions or statements that are continuously being repeated until a certain condition is reached.

The above can be achieved in UiPath Studio by using the following activities:

1. For Each Activity
2. While Activity
3. Do While Activity

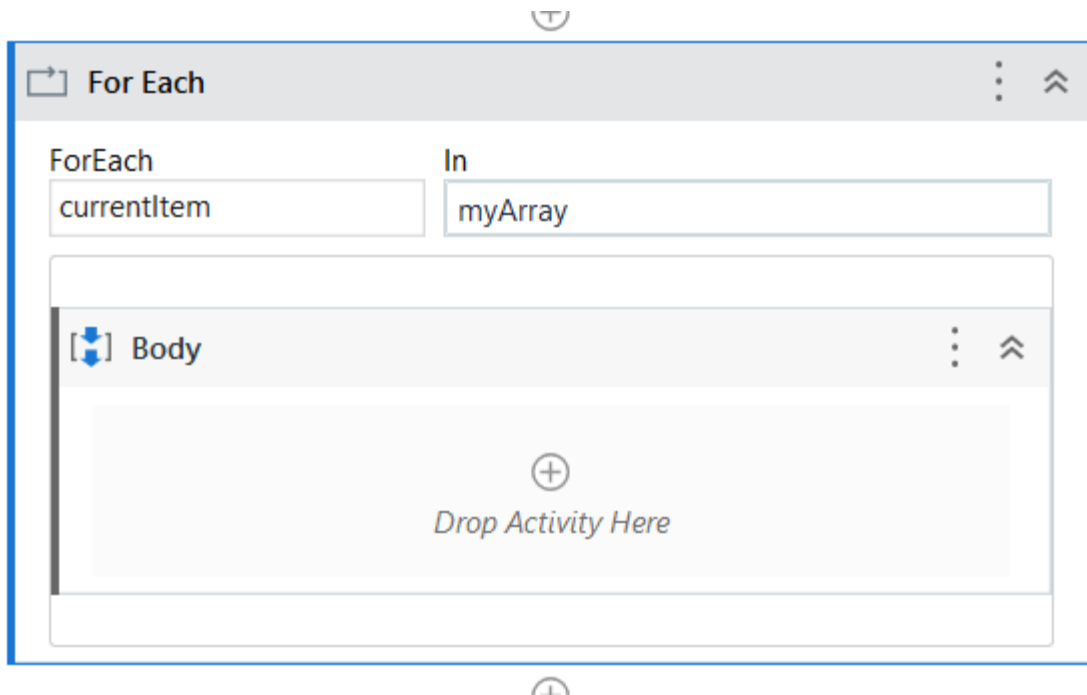
But the main frustration comes when we don't know when to use which activity, right?

No worries, let's dissect them a bit.

#### **For Each Activity**

Use this when you are sure about the number of iterations you need to run, here the input can be an array, list, or any enumerable.

Example: When we have a basket full of oranges(Here basket means array or list), we take each one out and check for its quality and sell it if it's good or throw it if it's spoiled ( Here each orange refers to each element in the array or list)

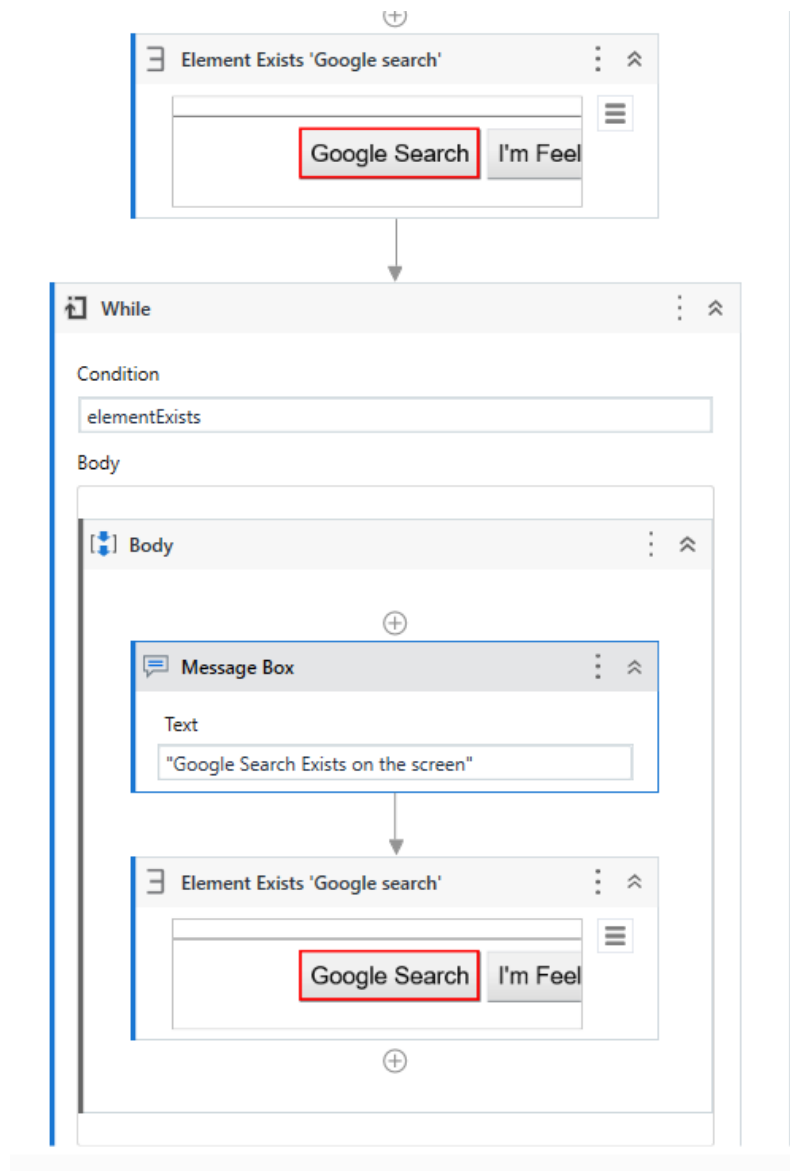


## While Activity

Use this when you are not sure about the number of iterations you need to run and the condition on which the loop should be checked changes based on what you do inside the loop.

Example: As long as the search button of a web app exists on the screen, the While Activity will keep displaying the Message - "Google Search Exists on the screen" on the screen.

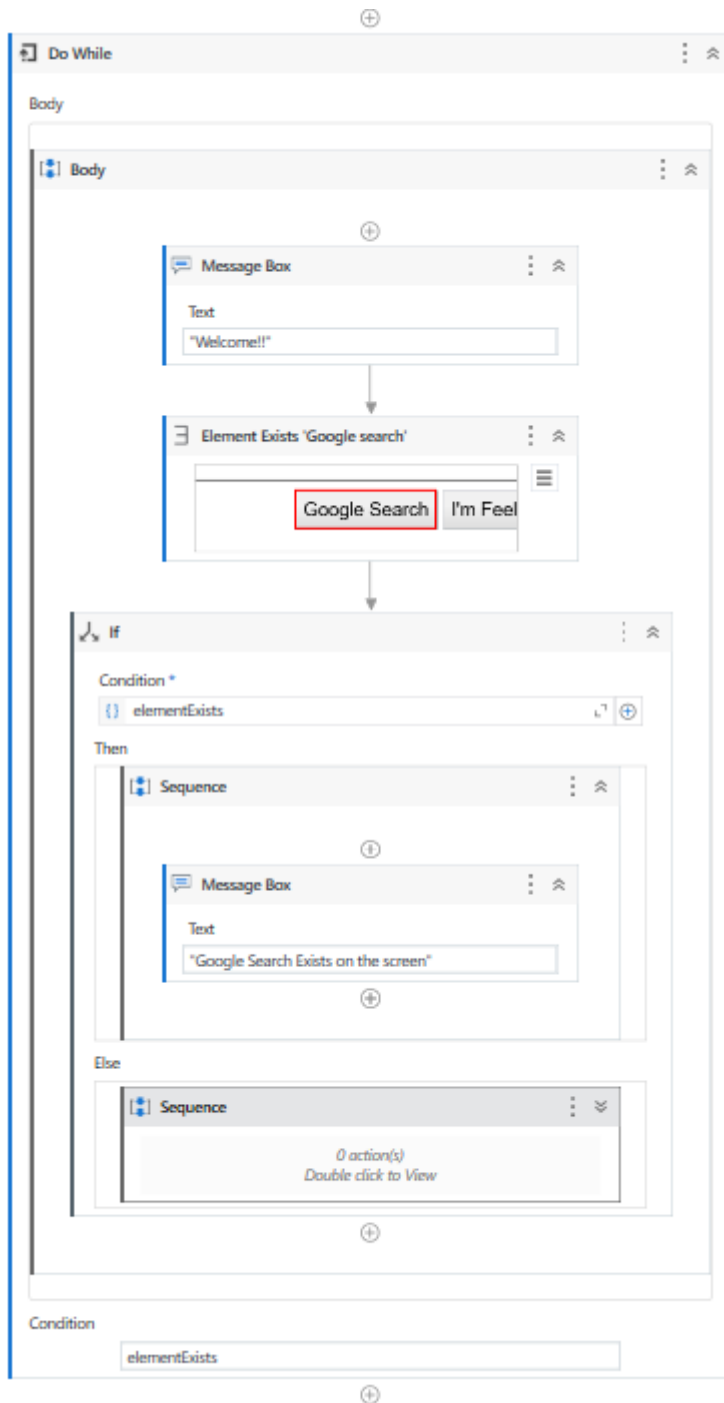
But once you close the browser, it will fail and terminate the loop.



## Do-While Activity

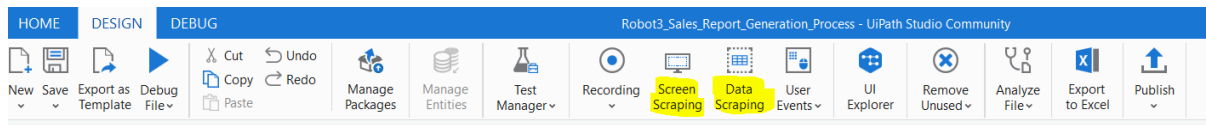
Use this when you want to run something at-least once and based on the conditions run it further till the condition fails.

Example: When you want a "Welcome" Message to be displayed on the screen irrespective of google search button exists or not, and then search for the google search button then we use the Do While Activity



There are a lot of examples and applications available for these activities and each one should be used accordingly.

## 24. What is the difference between Screen scraping and Data scraping?



**Screen Scraping:** This functionality is used to get a single text value from the screen.

**Data Scraping:** This is a very helpful functionality when we are trying the scrap data of type tabular form from a browser, application, or document.

## 25. What types of exceptions will be retried in UiPath?

There are two types of Exceptions in UiPath

1. **Business Exception**
2. **System Exception**

1. A **Business exception** can be defined as a user-defined exception, it is explicitly thrown by the process when certain criteria defined for the process are not met i.e If the phone number contains any alphabet in it, the Provided date is out of the required date range.

Retrying the transaction does not solve the issue, so we basically notify the user about this error.

2. A **System Exception** can be defined as unknown exceptions which are generated by the end applications(which are automated) or slow network issues i.e Application not responding, while connecting to the database, while performing string manipulations.

These types of exceptions have a chance of being solved by retrying the transaction.

So, only System exceptions are retried in UiPath.