

QTP - RECORD AND PLAYBACK

http://www.tutorialspoint.com/qtp/qtp_record_and_play_back.htm

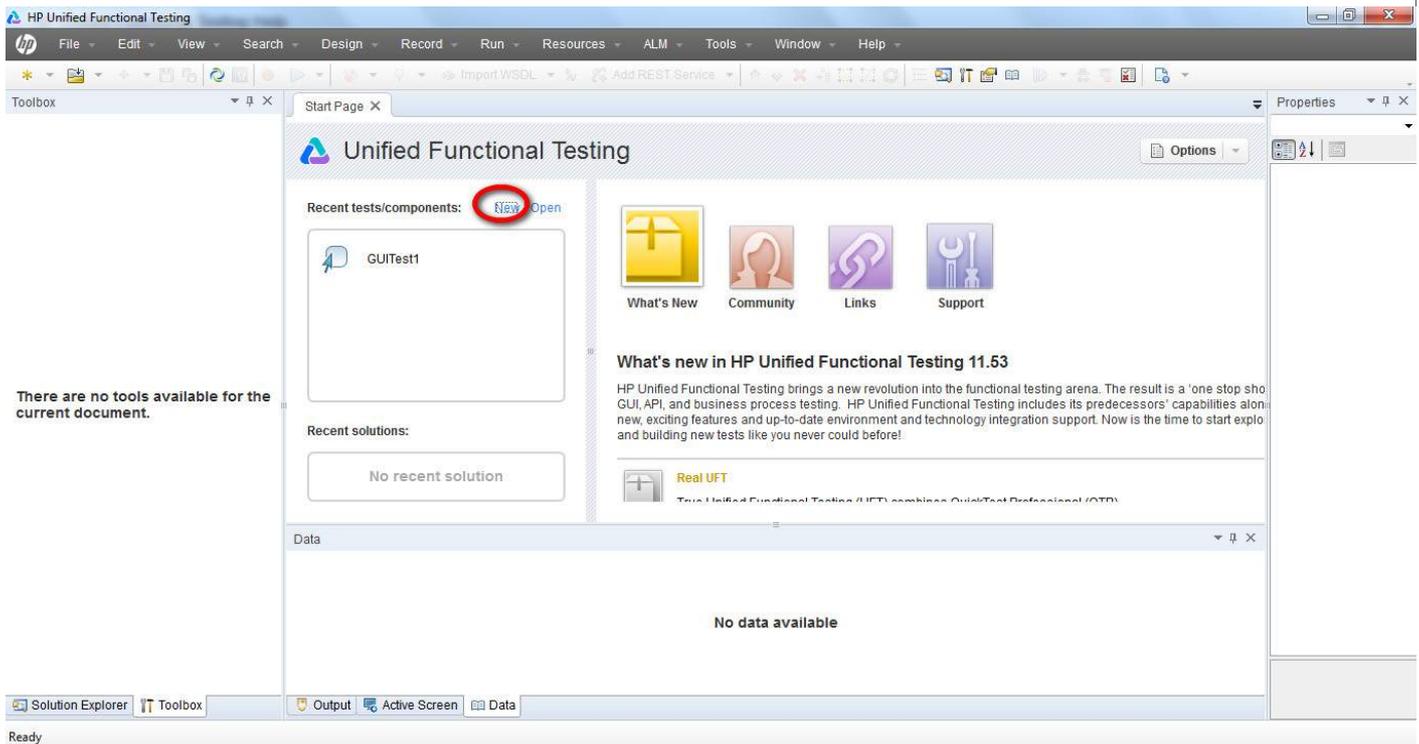
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Record and Playback

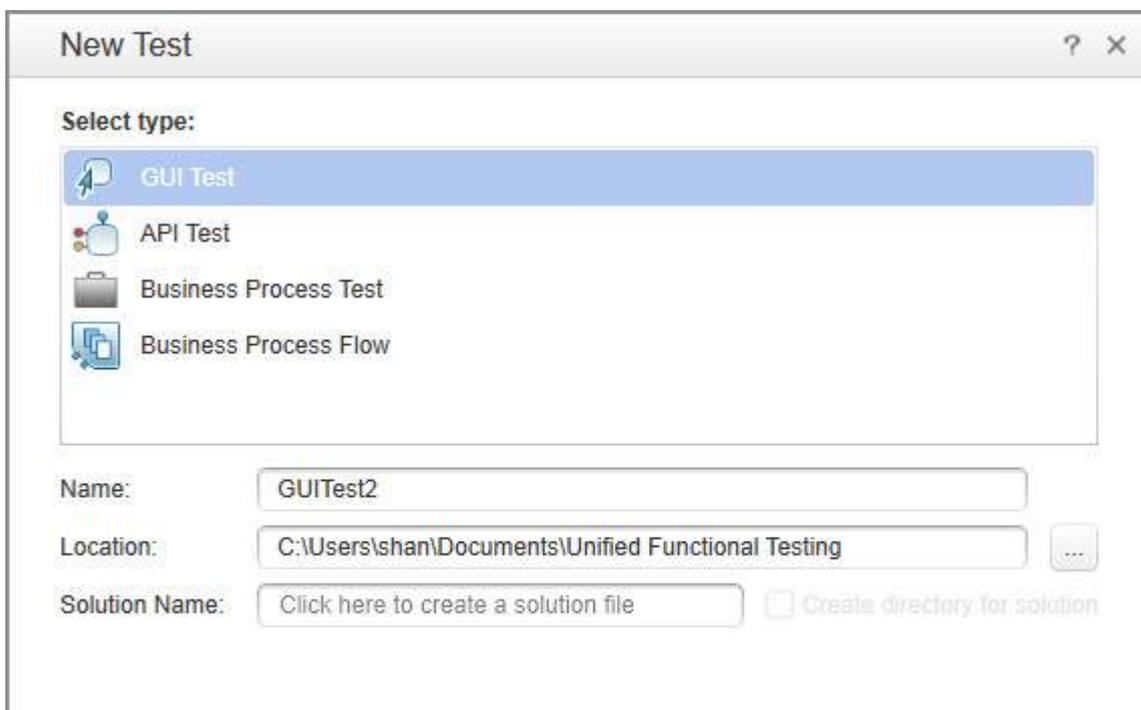
Recording a test corresponds to recording the user actions of the application under test so that UFT automatically generates the scripts that can be played back. Record and Playback can give us the first impression if the tool can support the technology or NOT if the initial settings are done correctly.

Steps for Record and Playback are as follows:

Step 1 : Click on "New" test from the Start Page as shown below:

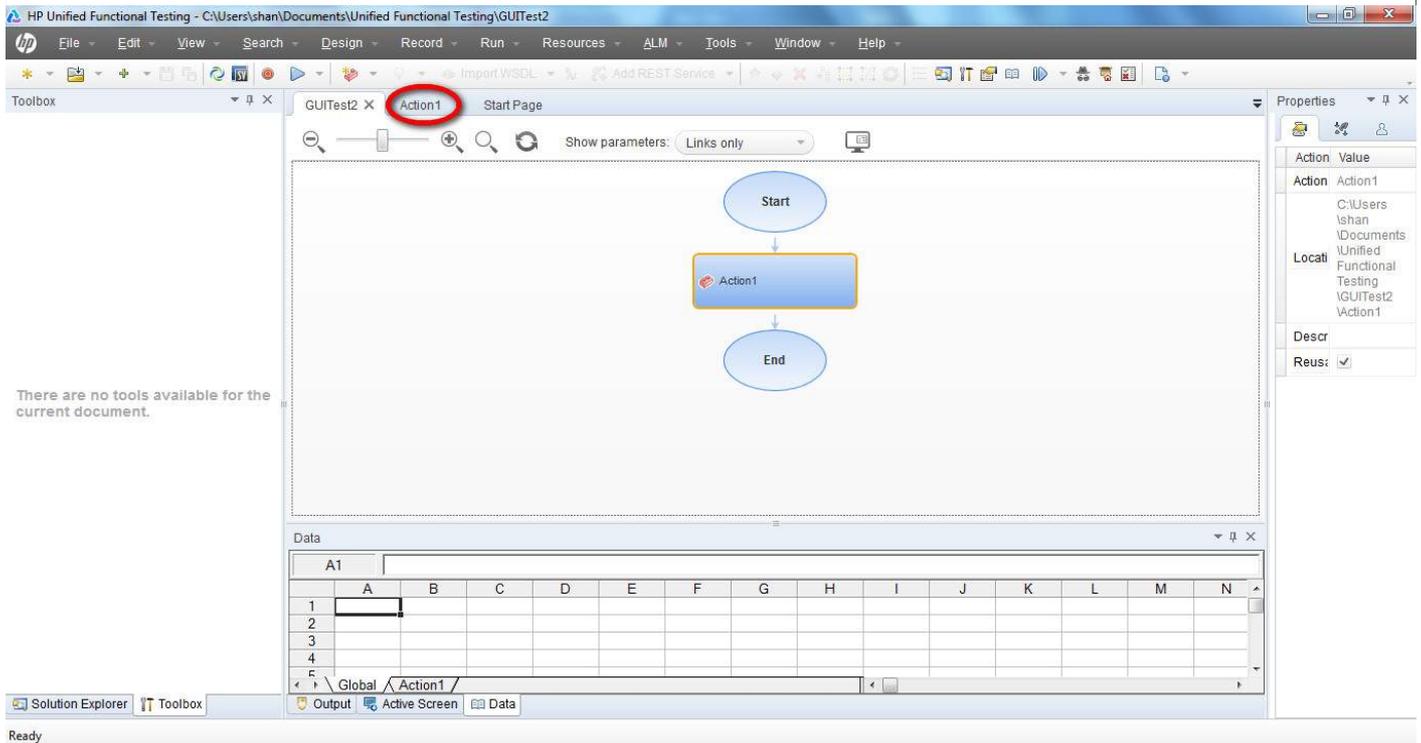


Step 2 : Upon Clicking, "New" Link, the new test window opens and the user need to select the test type. Select "GUI Test", give a name for the test and also the location where it needs to be saved.

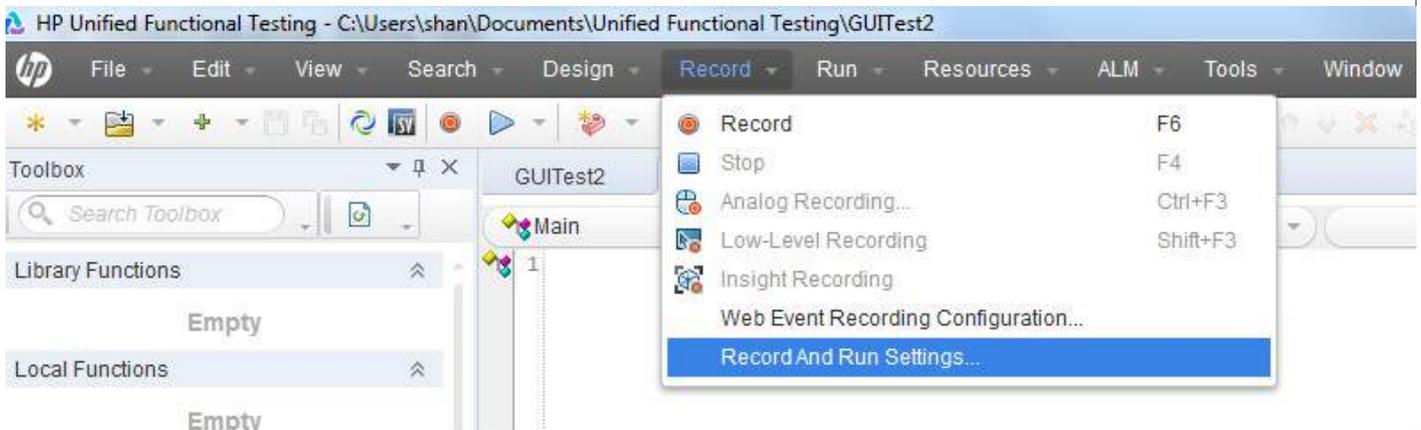




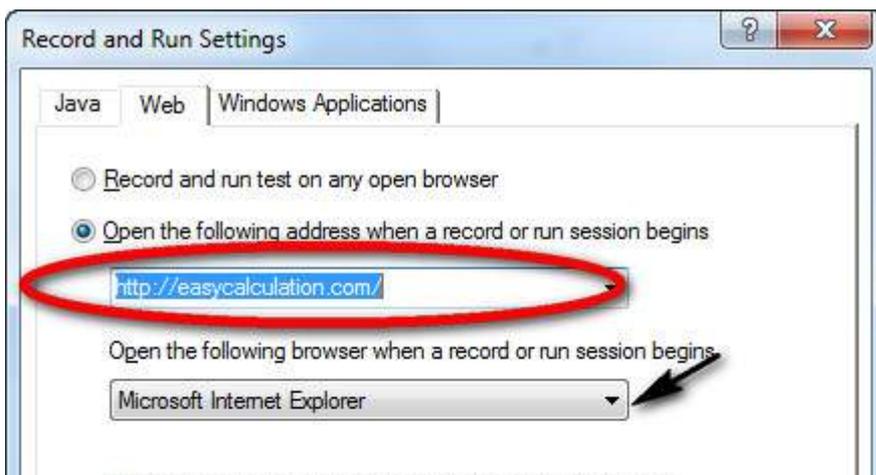
Step 3 : Once a New test is created, the new test screen opens as shown below. Now, click on "Action1" Tab which is created with 1 action by default.

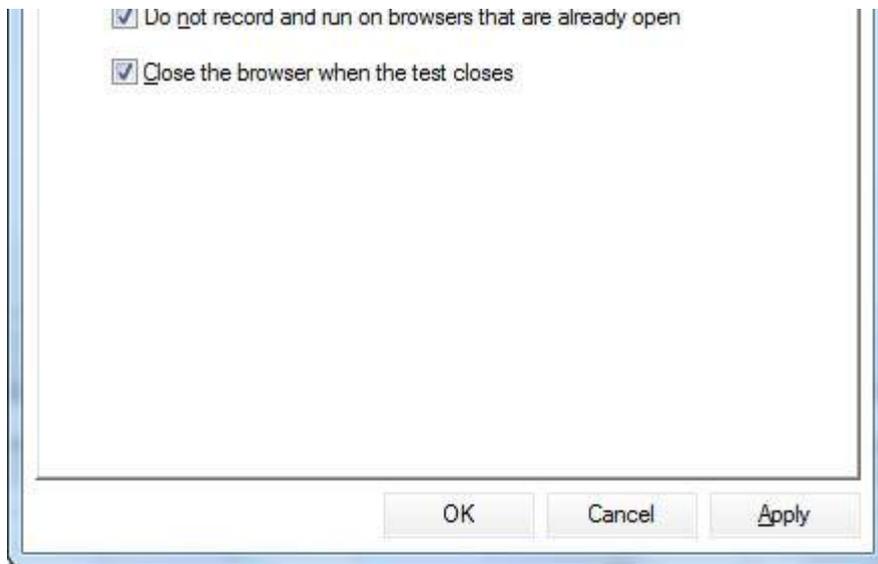


Step 4 : Click on "Record" Menu and select "Record and Run Settings" as shown below:

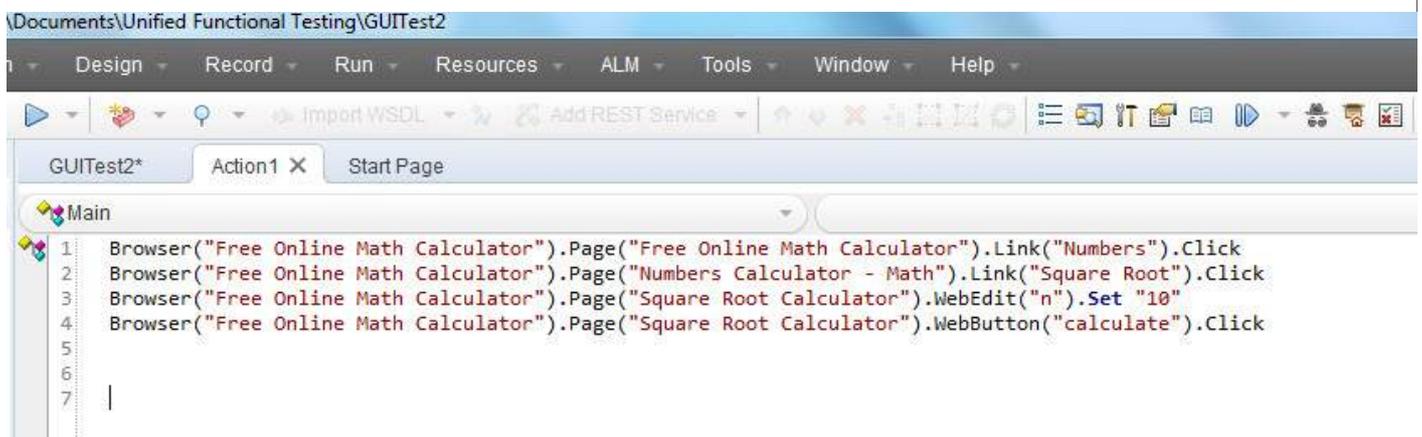


Step 5 : The Record and Run Settings Dialog opens and based on the type of application, one can select i.e Web, Java, Windows Applications. For Example, We will record a Web Based Application <http://easycalculation.com/>





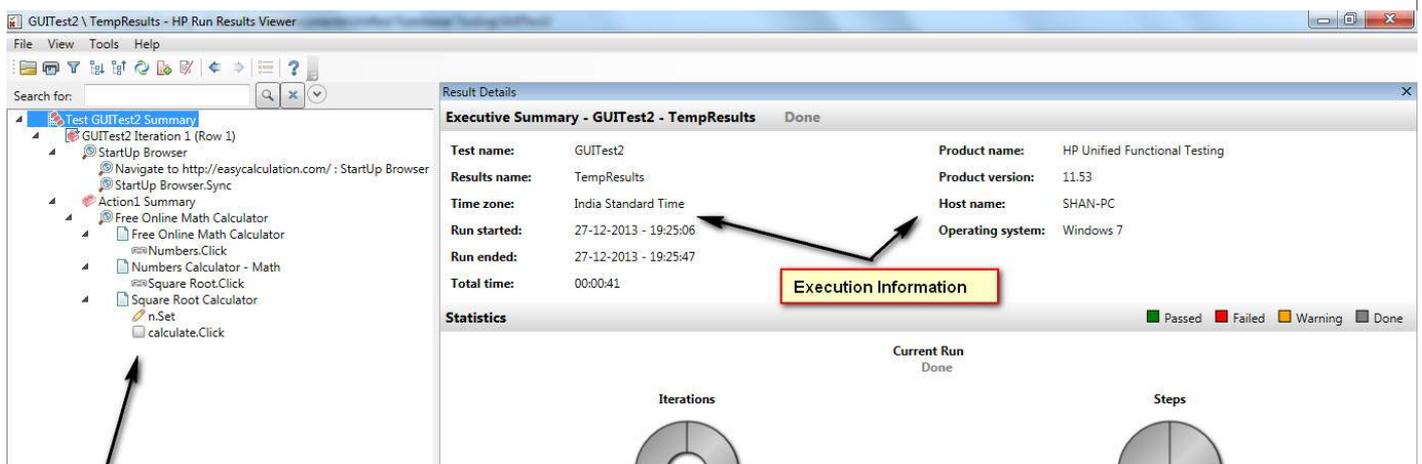
Step 6 : Click Record Button, the Internet Explorer opens automatically with the webaddress <http://easycalculation.com/> as per the settings. Click "Numbers" link under "Algebra" and key in a number and hit "calculate". Upon completion of the action click "Stop" button in the record panel. You will notice that the script is generated as shown below:

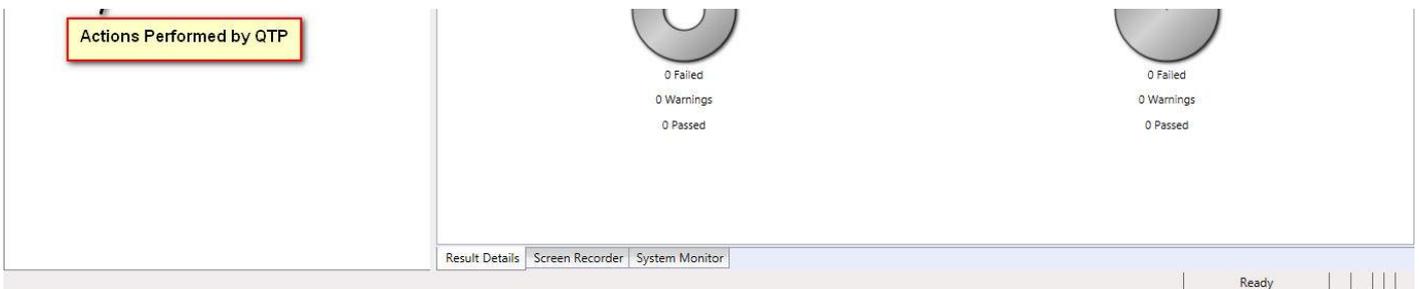


Step 7 : Now playback the script by clicking on the playback button. The Script replays and result is displayed.



Step 8 : The result window is opened by default which exactly shows the timestamp of execution, pass and failed steps.





Significance of Record and Playback:

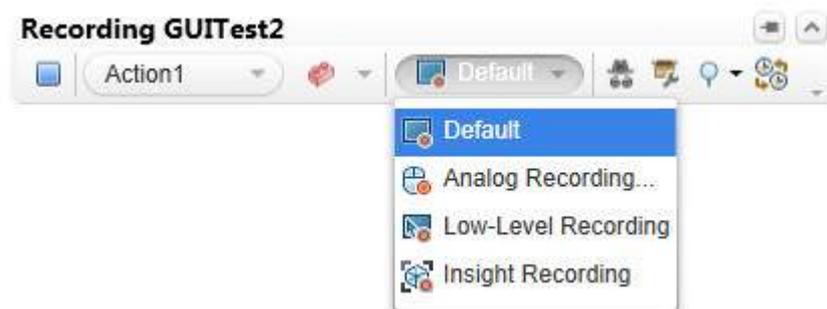
- It is used as the preliminary investigation method to verify if UFT can support the technology/application.
- Used to create a test a basic functionality of an application or feature that does not require long-term maintenance.
- It can be used for recording both mouse movements and keyboard inputs.

Modes of Recording:

- **Normal Recording** : This is the default Recording mode that records the objects and the operations performed on the application under test.
- **Analog Recording** : This records not only the keyboard actions but also the mouse movements relative to the screen or the application window.
- **Low-Level Recording** : This records the exact co-ordinates of the objects independent of the fact whether UFT recognizes the object or NOT. It just records the co-ordinates, hence does NOT record mouse movements.
- **Insight Recording** : UFT records operation based on its appearance and NOT based on its native properties.

How to Choose Recording Modes:

Upon clicking on Recording button, user can choose the recording mode from the recording pane that appears on the screen once recording starts. The selection can be made from any the ones that has been discussed above.



The Below Scenario is recorded in all the modes and see how the same action has been recorded under various circumstances.

- Launch IE - <http://easycalculation.com/>
- Click "Numbers" under "Algebra"
- Click "Square Root" link
- Enter a value to calculate the square root. Let us say 10
- Hit Calculate

Script Recorded under Default, Analog and Low Level Recording Mode.

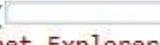
```
' DEFAULT RECORDING MODE
Browser("Free Online Math Calculator").Page("Free Online Math
Calculator").Link("Numbers").Click
Browser("Free Online Math Calculator").Page("Numbers Calculator - Math").Link("Square
Root").Click
Browser("Free Online Math Calculator").Page("Square Root Calculator").WebEdit("n").Set
"10"
Browser("Free Online Math Calculator").Page("Square Root
Calculator").WebButton("calculate").Click
```

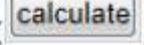
```
' ANALOG RECORDING MODE
Desktop.RunAnalog "Track1"
```

```
' LOW LEVEL RECORDING MODE
Window("Windows Internet Explorer").WinObject("Internet Explorer_Server").Click 235,395
Window("Windows Internet Explorer").WinObject("Internet Explorer_Server").Click 509,391
Window("Windows Internet Explorer").WinObject("Internet Explorer_Server").Click 780,631
Window("Windows Internet Explorer").WinObject("Internet Explorer_Server").Type "10"
Window("Windows Internet Explorer").WinObject("Internet Explorer_Server").Click 757,666
```

The Recordings using insight recording mode will be as shown below:

```
' INSIGHT RECORDING MODE
```

```
Browser("Free Online Math Calculator").InsightObject().Click
Browser("Free Online Math Calculator").InsightObject().Click
Browser("Free Online Math Calculator").InsightObject().Click
Browser("Free Online Math Calculator").InsightObject().Click
Window("Windows Internet Explorer").WinObject("Internet Explorer_Server").Type "10"

Browser("Free Online Math Calculator").InsightObject().Click
Browser("Free Online Math Calculator").InsightObject().Click
```

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