SELENIUM

COMMANDS TO WORK WITH

INSTALLATION OF SELENIUM

- Move to the site www.seleniumhq.org

RULES FOR AUTOMATION

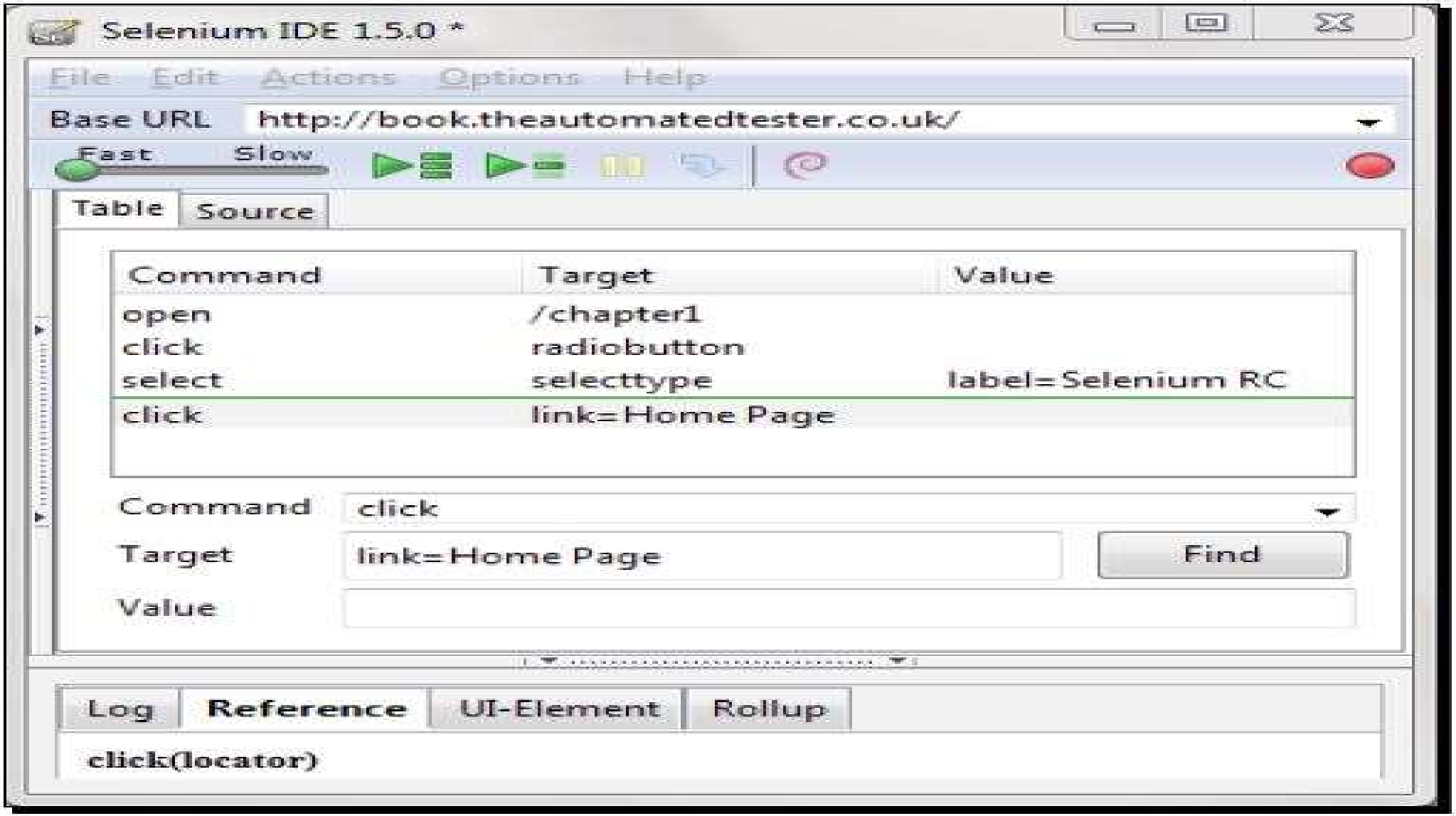
- Tests should always have a known starting point. Like opening a certain page to start a workflow.
- Tests should not have to rely on any other tests to run.
- This is to ensure that if something goes wrong in one test, it will not mean you have a lot of unnecessary failures to check.
- Tests should only test one thing at a time.
- Tests should clean up after themselves.

BASE URL

- https://book.theautomatedtester.co.uk

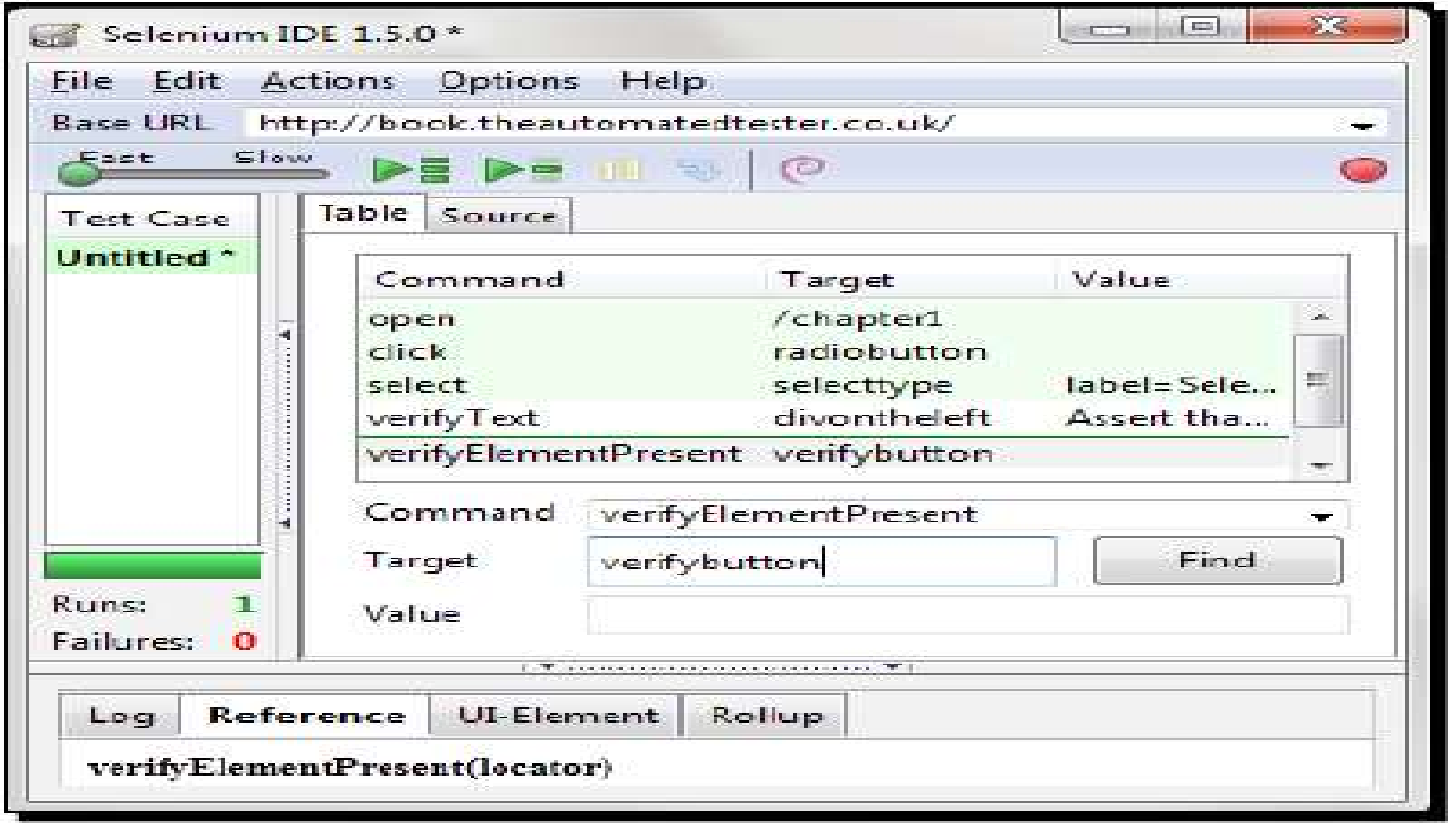
Open

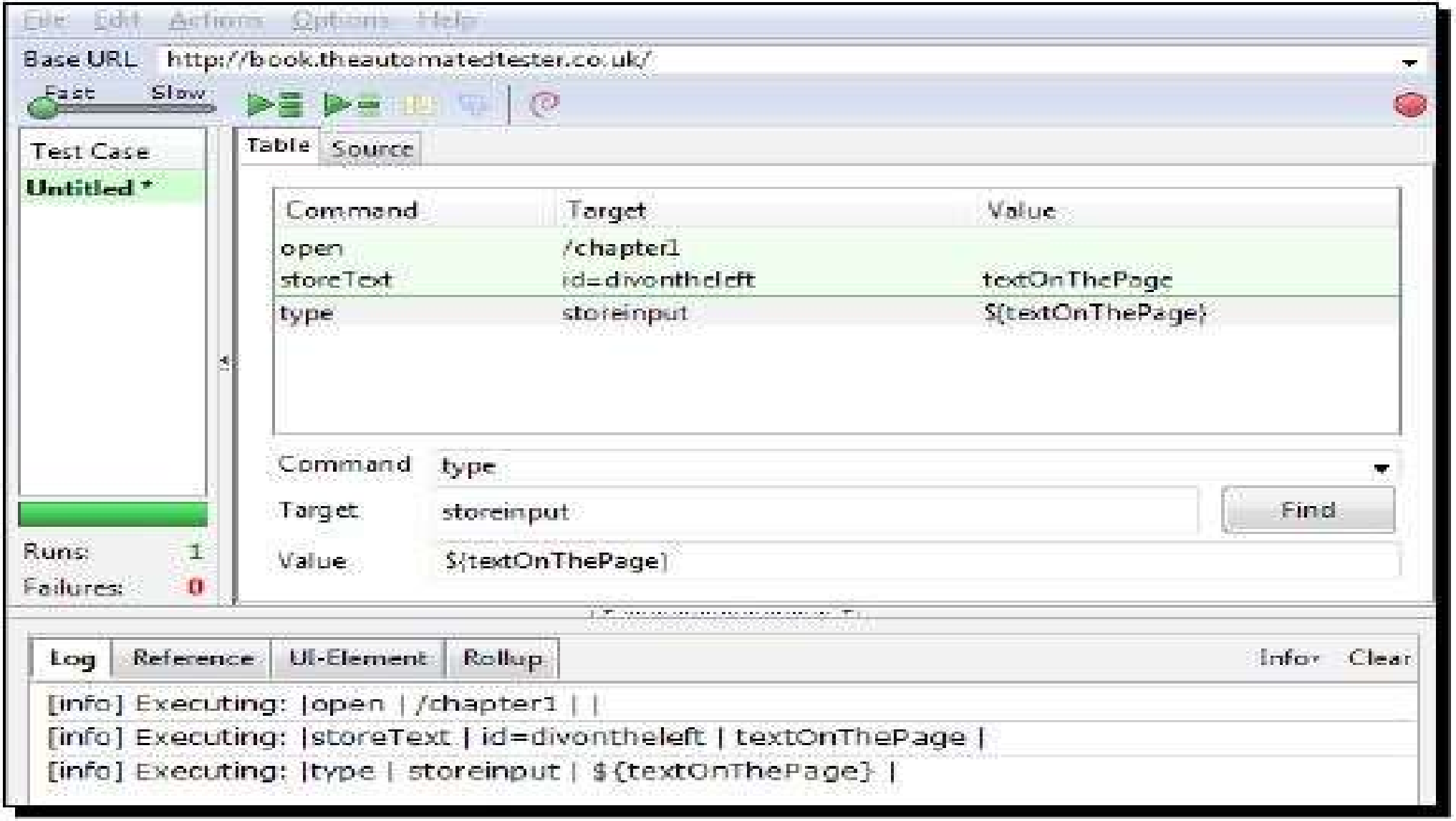
- "Open" is most commonly used command in selenium IDE software testing tool.
- "Open" command opens the URL whatever you want to open in your current selected browser window or tab.


Selenium IDE 1.5.0 *
File Edit Actions Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Table Source
Command Target Value
open /chapter1
click radiobutton
select selecttype label=Selenium RC
click link=Home Page
Command click
Target link=Home Page
Find
Value
Log Reference UI-Element Rollup
click(locator)

ASSERTING ITEMS ON THE PAGE

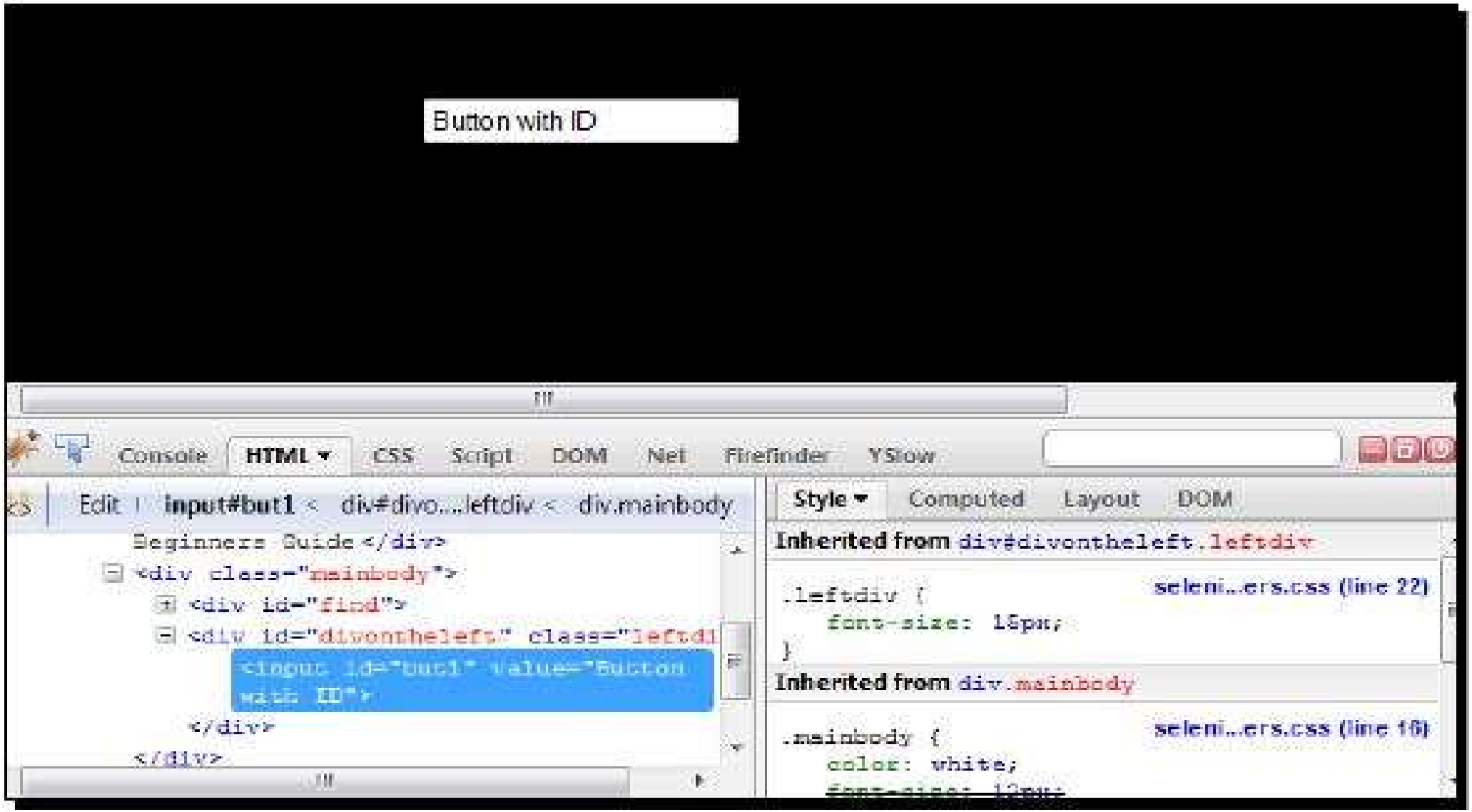
- There are two mechanisms for validating elements available on the application under test.
- **Assert** - it allows the test to check if the element is on the page. If it is not available then the test will stop on the step that failed.
- **Verify** – it allows the test to check the element is on the page, but if it isn't then the test will carry on executing.


Selenium IDE 1.5.0 *
File Edit Actions Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Test Case
Untitled *
Table Source
Command Target Value
open /chapter1
click radiobutton
select selecttype label=Sele...
verifyText divontheleft Assert tha...
verifyElementPresent verifybutton
Command verifyElementPresent
Target verifybutton
Find
Value
Runs: 1
Failures: 0
Log Reference UI-Element Rollup
verifyElementPresent(locator)


File Edit Actions Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Test Case
Untitled *
Table Source
Command Target Value
open /chapter1
storeText id=divontheleft textOnThePage
type storeinput ${textOnThePage}
Command type
Target storeinput
Find
Value ${textOnThePage}
Runs: 1
Failures: 0
Log Reference UI-Element Rollup
Info Clear
[info] Executing: |open | /chapter1 | |
[info] Executing: |storeText | id=divontheleft | textOnThePage |
[info] Executing: |type | storeinput | ${textOnThePage} |

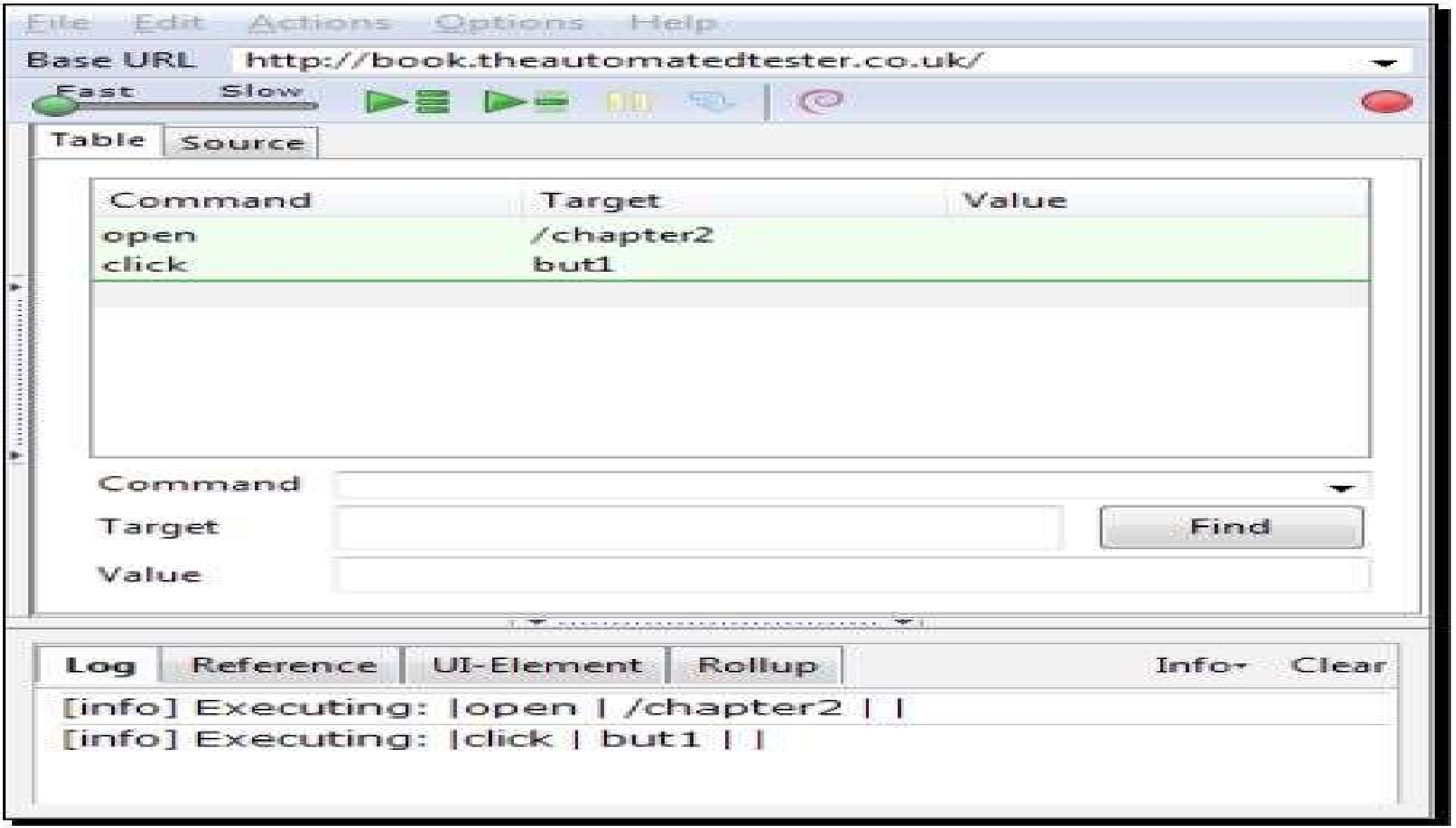
LOCATORS IN SELENIUM

- Locators allow us to find elements on a page that can be used in our tests.
- Locate elements by ID
- Locate elements by Name
- Locate elements by Link


Button with ID
Console
HTML
CSS
Script
DOM
Net
Firefinder
YSlow
Edit
input#but1
div#divo...leftdiv
div.mainbody
Beginners Guide

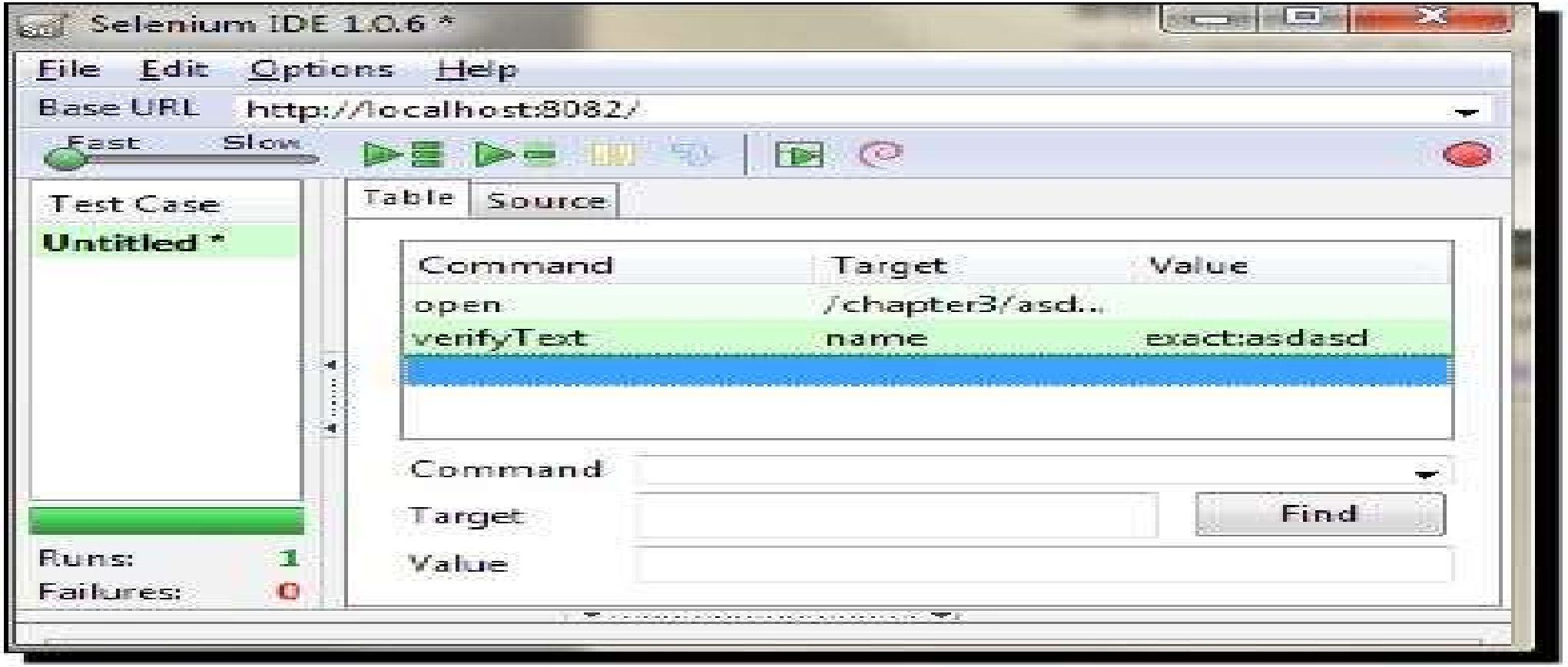
<div id="divonthelefts" class="leftdi
<input id="but1" value="Button
main ID">

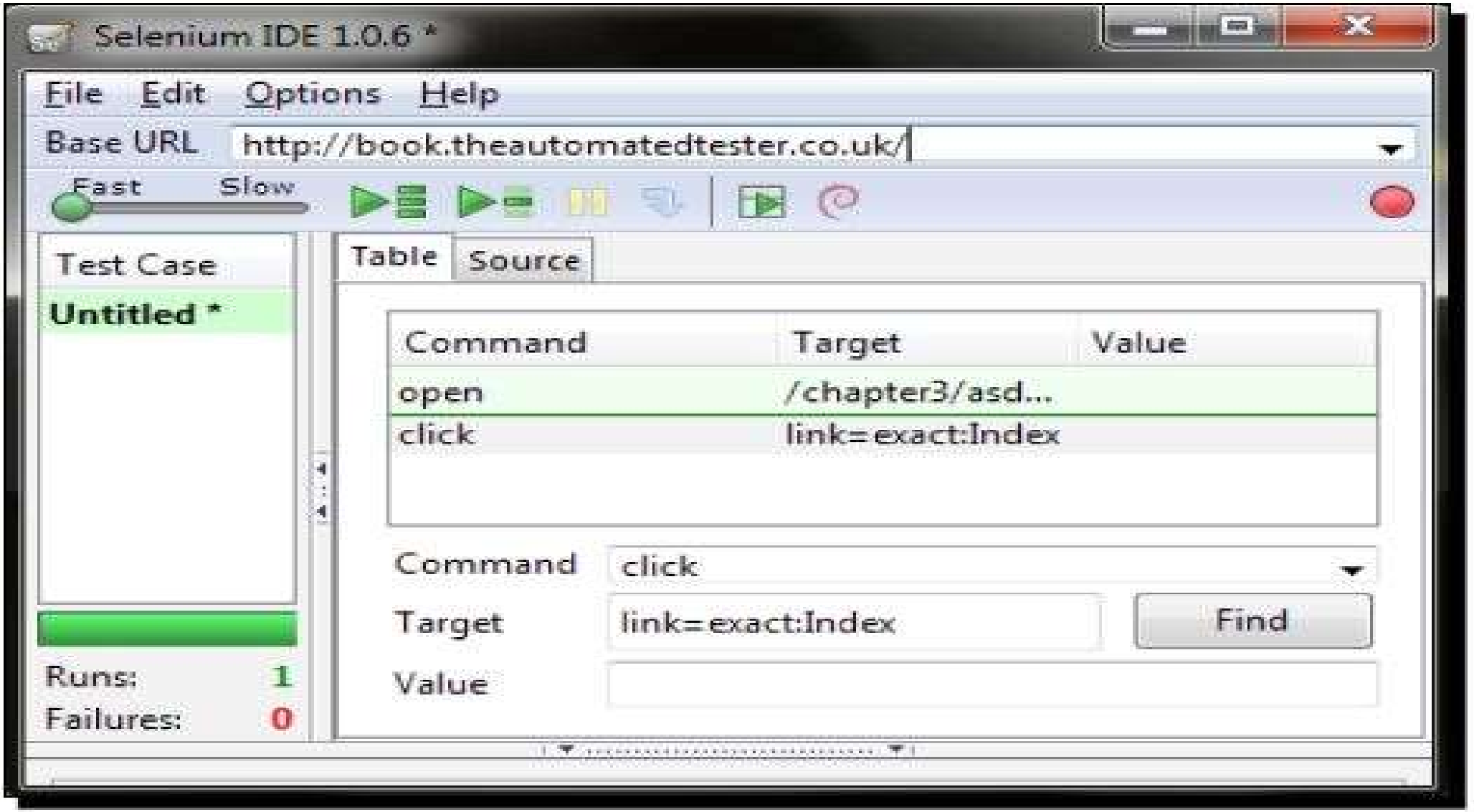
Style
Computed
Layout
DOM
Inherited from div#divonthelefts.leftdiv
.leftdiv {
font-size: 16px;
}
seleni...ers.css (line 22)
Inherited from div.mainbody
.mainbody {
color: white;
seleni...ers.css (line 16)


File Edit Actions Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Table Source
Command Target Value
open /chapter2
click but1
Command
Target
Find
Value
Log Reference UI-Element Rollup Info Clear
[info] Executing: |open | /chapter2 | |
[info] Executing: |click | but1 | |

PATTERN MATCHING

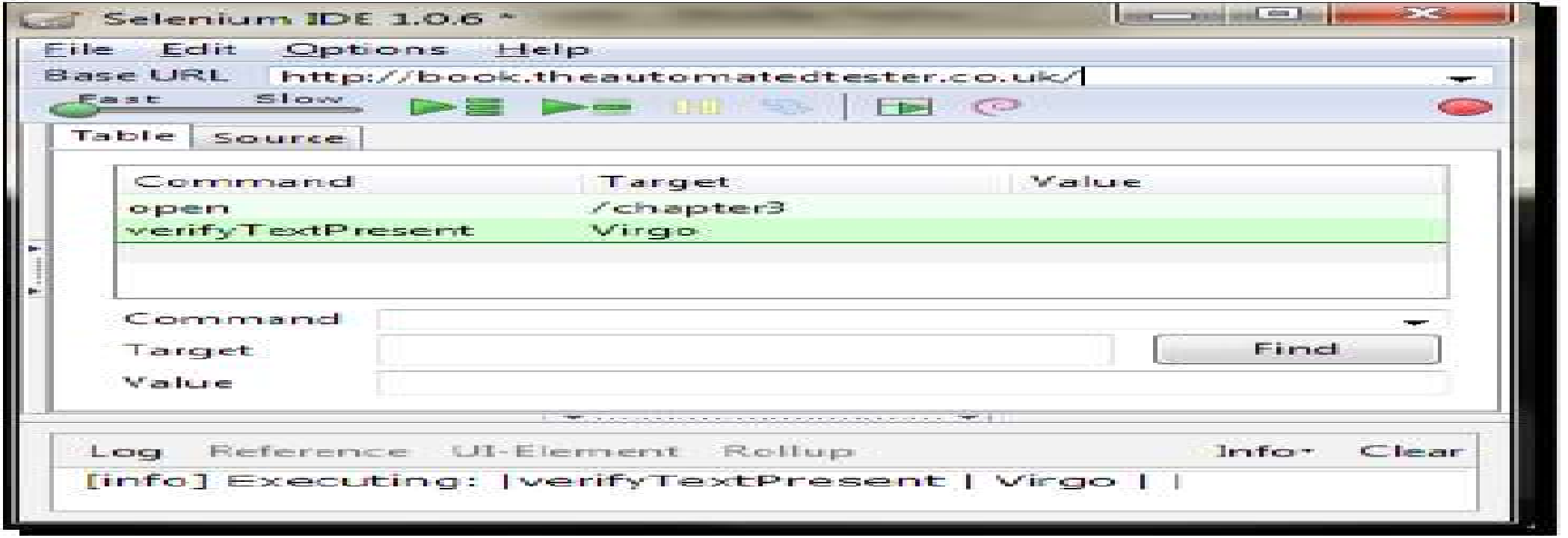
- We are going to have a look at verifying that the exact text is in an element.
- This is done by using a special prefix `exact:` in front of the item.

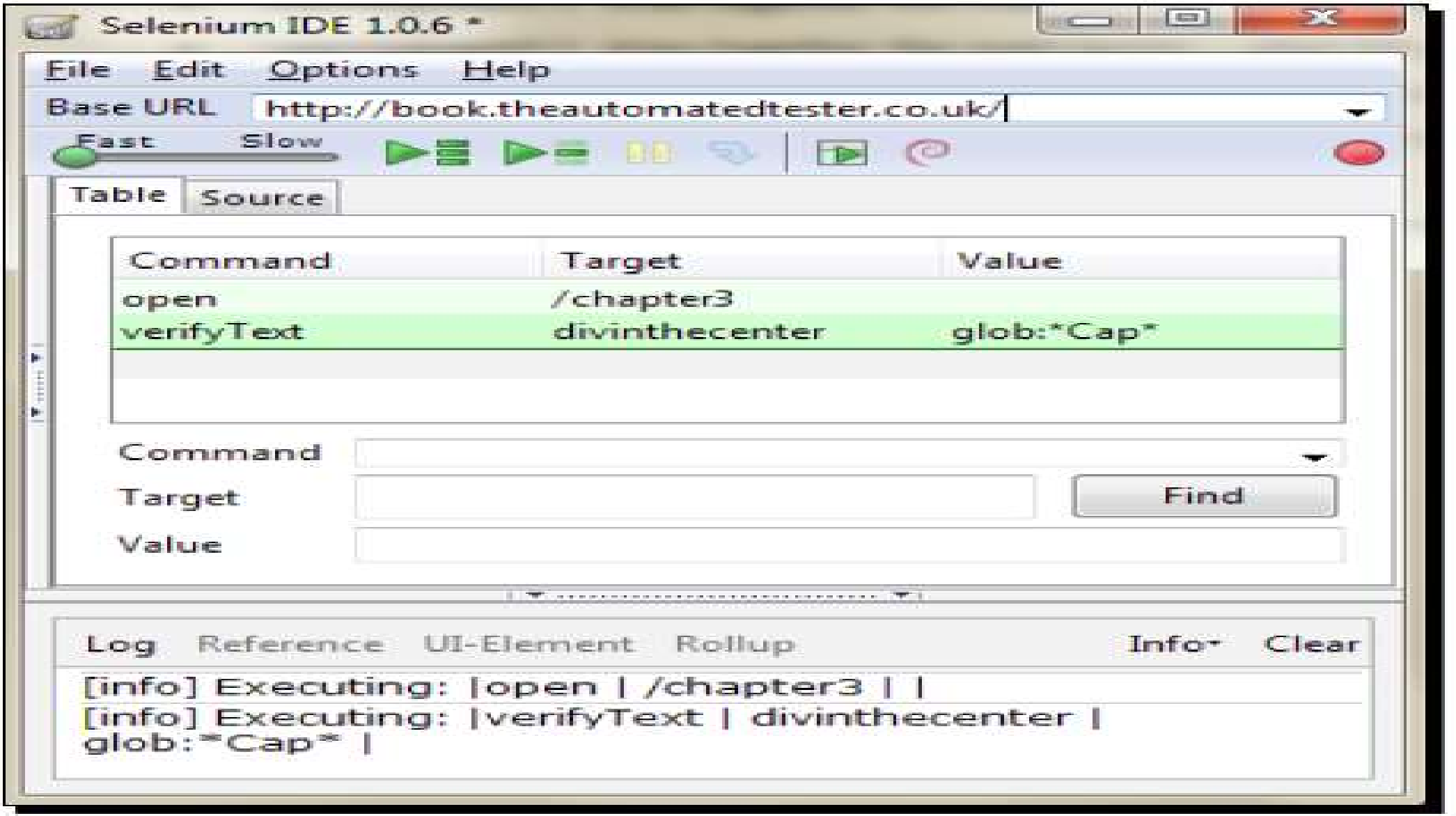


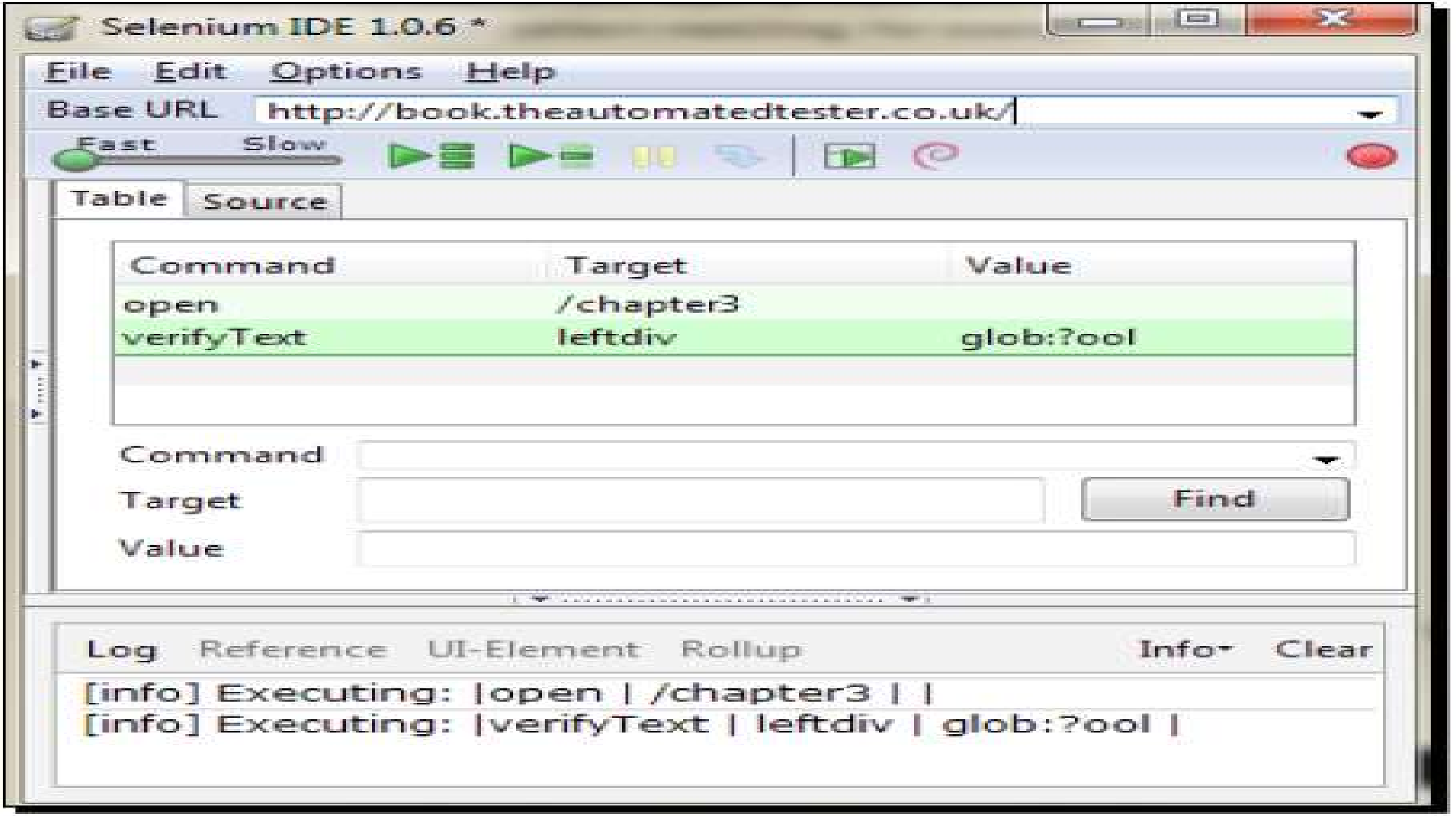

Selenium IDE 1.0.6 *
File Edit Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Test Case
Untitled *
Table Source
Command Target Value
open /chapter3/asd...
click link=exact:Index
Command click
Target link=exact:Index
Find
Value
Runs: 1
Failures: 0

Working with Globs

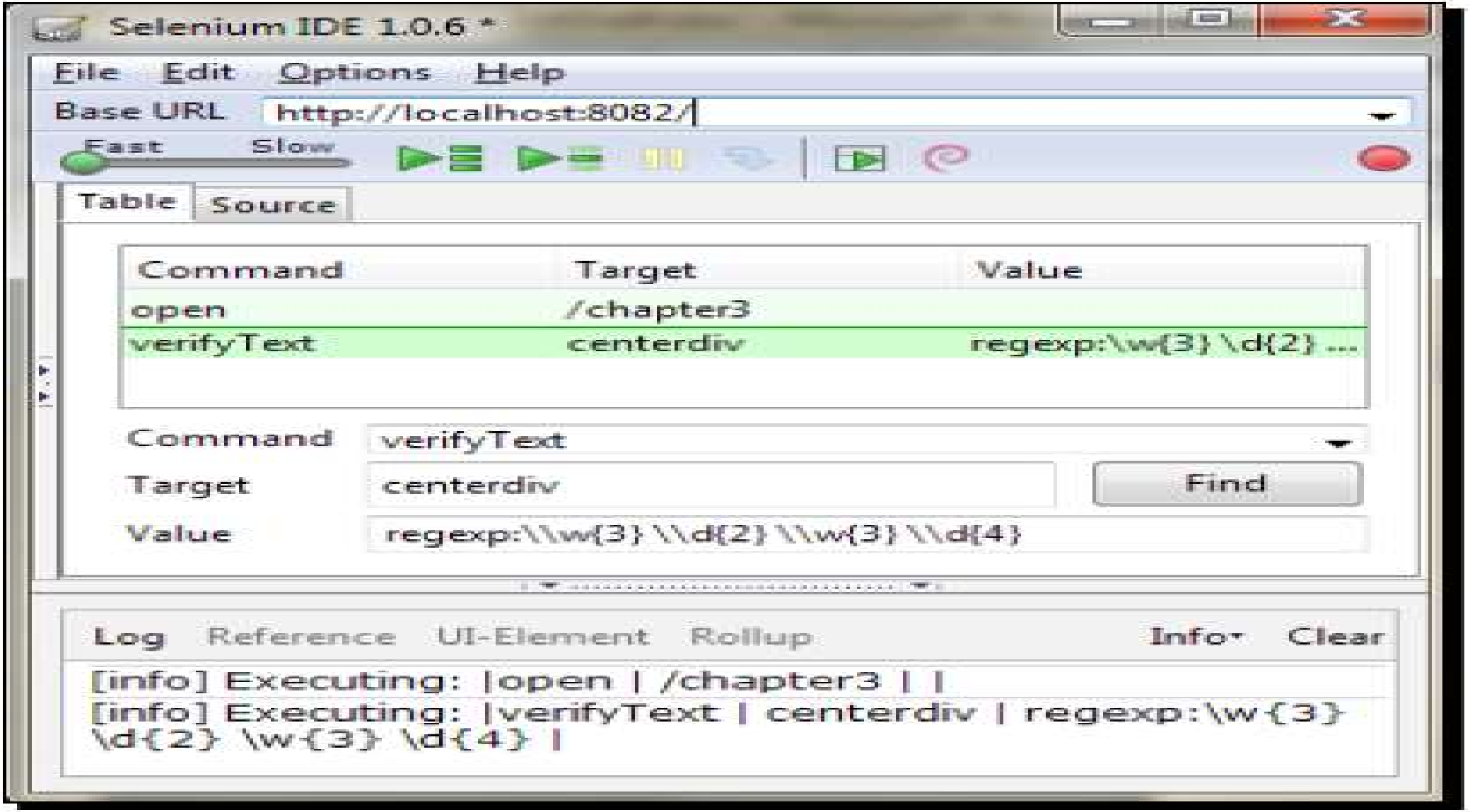
- We have used exact to confirm the same matches in our tests.
- It will be quite tough when you want to test something in a div but the surrounding text might change suddenly.
- It can be dealt with technique called globbing which is similar to regular expression.

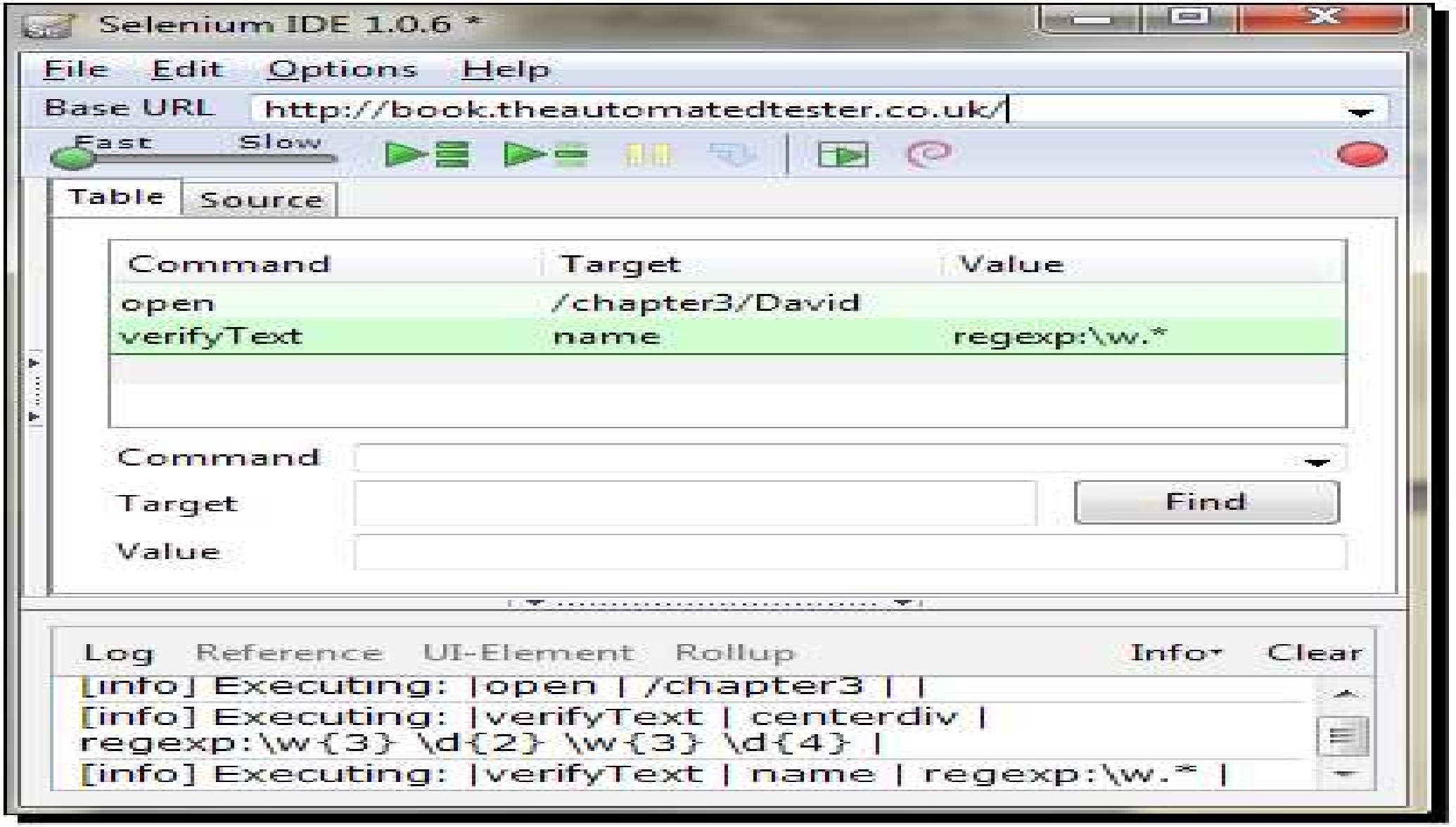



Selenium IDE 1.0.6 *
File Edit Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Table Source
Command Target Value
open /chapter3
verifyText divinthecenter glob:*Cap*
Command
Target
Find
Value
Log Reference UI-Element Rollup Info Clear
[info] Executing: |open | /chapter3 | |
[info] Executing: |verifyText | divinthecenter |
glob:*Cap* |


Selenium IDE 1.0.6 *
File Edit Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Table Source
Command Target Value
open /chapter3
verifyText leftdiv glob:?ool
Command
Target
Find
Value
Log Reference UI-Element Rollup Info Clear
[info] Executing: |open | /chapter3 | |
[info] Executing: |verifyText | leftdiv | glob:?ool |

Selenium IDE 1.0.7 *
File Edit Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Table Source
Command Target Value
open /chapter3
verifyTextPresent glob:[cfmp]ool
Command verifyTextPresent
Target glob:[cfmp]ool
Find
Value
Log Reference UI-Element Rollup
Info Clear


Selenium IDE 1.0.6 *
File Edit Options Help
Base URL http://localhost:8082/
Fast Slow
Table Source
Command Target Value
open /chapter3
verifyText centerdiv regexp:\w{3} \d{2} ...
Command verifyText
Target centerdiv
Find
Value regexp:\\w{3} \\d{2} \\w{3} \\d{4}
Log Reference UI-Element Rollup
Info Clear
[info] Executing: |open | /chapter3 | |
[info] Executing: |verifyText | centerdiv | regexp:\w{3} \d{2} \w{3} \d{4} |


Selenium IDE 1.0.6 *
File Edit Options Help
Base URL http://book.theautomatedtester.co.uk/
Fast Slow
Table Source
Command Target Value
open /chapter3/David
verifyText name regexp:\w.*
Command
Target
Find
Value
Log Reference UI-Element Rollup Info Clear
[info] Executing: |open | /chapter3 | |
[info] Executing: |verifyText | centerdiv |
regexp:\w{3} \d{2} \w{3} \d{4} |
[info] Executing: |verifyText | name | regexp:\w.* |

Link for installing Mozilla FireFox

- https://ftp.mozilla.org/pub/firefox/releases/58.0/win64-EME-free/en-US/