

*** Settings ***

Documentation Robot Framework Workshop

... Werkspoorkathedraal 26-03-2020

... MeetUp by deTesters & TestCoders

Resource Rein van der Vegt

Resource Tim Lolkema

```
*** Keywords ***

Robot Framework Presentation

Introduction

Robot Framework Settings Variables Test Cases Keywords

... Libraries Lists Dictionaries

Running Tests

Setup & Teardown

SeleniumLibrary

Custom Python Library
```

Robot Framework Workshop

Exercises

```
*** Settings ***
```

*** Variables ***

*** Keywords ***

*** Test Cases ***



*** Settings ***

Documentation Settings

... Import Libraries

... Import Resource Files

... Configure Setup & Teardown Keywords

Library SeleniumLibrary

Resource resources.robot

Test Setup Do Something

Test Teardown Do Something Else



```
*** Test Cases ***

Go To Homepage And Login # <-- Test Case

Go To Homepage # <-- Keyword

Login With Admin # <-- Keyword
```

Homepage Should Be Loaded # <-- Keyword

```
*** Variables ***
${LOGIN URL} http://localhost:5000

*** Keywords ***
Go To Homepage
   Open Browser
   Navigate to ${LOGIN URL}
```

```
*** Variables ***
${VAR1}
          Lorum
${VAR2} ipsum
${VAR3} ${VAR1} ${VAR2}
${INT1}
${INT2}
${INT3} = Evaluate ${INT1} + ${INT2}
${BOOL}
          true
${BOOL2} ${INT1} > ${INT3}
```

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```
*** Variables ***
${ITEM LIST} = Create List
                                 item1
                                        item2
                                               item3
\{ITEM1\} = \{ITEM_LIST[0]\}
${ITEM2} = ${ITEM LIST[1]}
${ITEMS} =
             Create Dictionary
                                 id=76578
                                           user=Test
${KEYS} =
             Get Dictionary Keys
                                 ${ITEMS}
${VALUES} = Get Dictionary Values
                                 ${ITEMS}
${USER_NAME} = Get From Dictionary
                                 ${ITEMS} id
```

```
*** Keywords ***
Keyword Which Sets Test Variable
  ${RESPONSE} = Keyword With Return Value
                                             Workshop
  Set Test Variable ${RESPONSE}
Keyword With Return Value
  [Arguments] ${ARG1}
  Log To Console ${ARG1}
  Validation Keyword
  [Return] ${ARG1}
Validation Keyword
  Should Be Equal ${RESPONSE}
                                 Workshop
```



```
*** Test Cases ***
```

Testcase Gherkin Syntax

```
Given Step 1 ## Starting situation
```

When Step 2 ## Actions

Then Step 3 ## Validations

```
*** Settings ***
Resource Variables.resource
Resource Keywords.resource

*** Test Cases ***
Test Case
   Keyword From Resource File
   Log ${VAR_FROM_RESOURCE}}
```

```
*** Test Cases ***
```

BuiltIn Keywords Validations

Should Be True 1 > 0

Should Be Equal lorum ipsum lorum ipsum

Should Be Equal As Integers 3 "3"



```
*** Settings ***
```

Library SeleniumLibrary # Selenium Browser Tests

Library DebugLibrary # Debug Robot Framework Tests Via Terminal

Library OracleDB # Test Oracle DB

robot@workshop:~\$ robot Testscript.robot robot@workshop:~\$ robot Tests robot@workshop:~\$ robot -i smoketest Testscript.robot robot@workshop:~\$ robot -e smoketest Testscript.robot robot@workshop:~\$ robot -d test-results/ Testscript.robot robot@workshop:~\$ robot -v env:PROD Testscript.robot



*** Settings ***

Test Setup KeywordBeforeEveryTest

Test Teardown KeywordAfterEveryTest

Suite Setup KeywordBeforeEverySuite

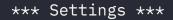
Suite Teardown KeywordAfterEverySuite

```
import requests
class ExampleLibrary:
    def example_keyword(self, arg):
        url = 'localhost:9999/workshop'
        params = {
            'param': arg,
        response = requests.get(url=url, params=params)
        return response.text
```

```
*** Settings ***
Library ExampleLibrary.py # Import Your Own Keywords

*** Keywords ***
Easily Use Your Own Keywords

${RESPONSE} = Example Keyword Argument
Should Be Equal As Strings ${RESPONSE} Robot!
```



Resource resources.resource

Test Template Test Template Keyword

*** Test	Cases ***	FIRST_ARG	SECOND_ARG	THIRD_ARG
Testcase	1	Test	User	Robot
Testcase	2	User	Robot	Test
Testcase	3	Robot	Test	User
Testcase	4	Test	Test	Test
Testcase	5	User	User	User
Testcase	6	Robot	Robot	Robot

```
robot@workshop:~$ python -m venv env
robot@workshop:~$ source env/bin/activate
robot@workshop:~$ env\Scripts\activate
robot@workshop:~$ pip install -r requirements.txt
robot@workshop:~$ python app.py
```