```
*** 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
```

```robotframework
*** 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
```

```
*** Variables ***
${HOST}              localhost:7272
${LOGIN URL}         http://${HOST}/
${WELCOME URL}       http://${HOST}/welcome.html
${BROWSER}           Firefox
```

```
*** 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}      3
${INT2}      9
${INT3} =    Evaluate    ${INT1} + ${INT2}


${BOOL}      true
${BOOL2}     ${INT1} > ${INT3}
```

```robotframework
*** 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
```

```robotframework
*** 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}
```

```robotframework
*** 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
*** Settings ***
Library     SeleniumLibrary


*** Keywords ***
Example SeleniumLibrary Test Case
    Open Browser                        chrome      http://localhost:5000
    Page Should Contain Text            Robot Framework
    Element Should Not Be Visible    xpath=//*[@name="register"]
    Input Text       id=input_username        Test Username
```

```
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
```

```python
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
```

```robotframework
*** 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!
```

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

```
# Create python env
robot@workshop:~$ python -m venv env

# Activate env Linux / Mac
robot@workshop:~$ source env/bin/activate

# Activate env Windows
robot@workshop:~$ env\Scripts\activate

# Install Requirements
robot@workshop:~$ pip install -r requirements.txt

# Run Workshop Application
robot@workshop:~$ python app.py
```