


KELAS **OTOMESYEN**



Syllabus

PREREQUISITION	SESSION 1	SESSION 2	SESSION 3	SESSION 4
Python Basic	Introduction to Selenium Python Basic Navigation	Locating Element Waits, Alerts, & Pop Up	Navigation & Action Chains	Pytest: an introduction to testing framework

WE ARE HERE



Session1

Introduction to Selenium Python

What is Web Automation?

Web automation is the concept of letting software robots perform pre-defined actions, tasks, and processes on a web browser or web application.

Open Discussion 

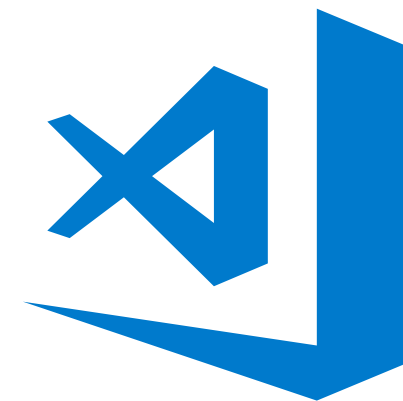
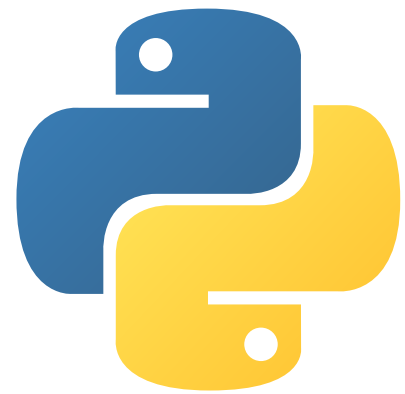
Examples of using web automation

What is Automation Testing?

Automation Testing or Test Automation is a software testing technique that performs using special automated testing software tools to execute a test case suite.

The automation testing software can also enter test data into the System Under Test, compare expected and actual results and generate detailed test reports.

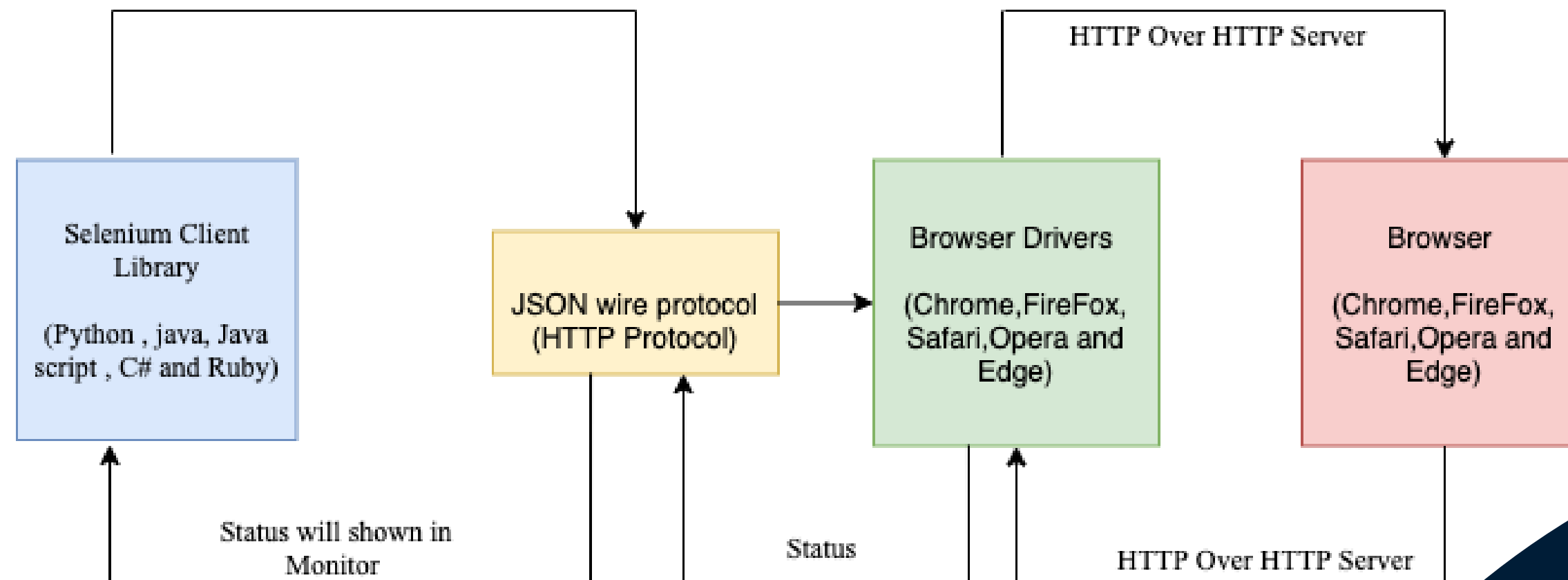
Installation & Preparation.



webdriver

What is Selenium?

Selenium Architecture



Webdrivers

<https://selenium-python.readthedocs.io/installation.html#drivers>

- Download and extract the webdriver
- Add to system path (optional)

Create New Env

Virtual Env

`pip install virtualenv`



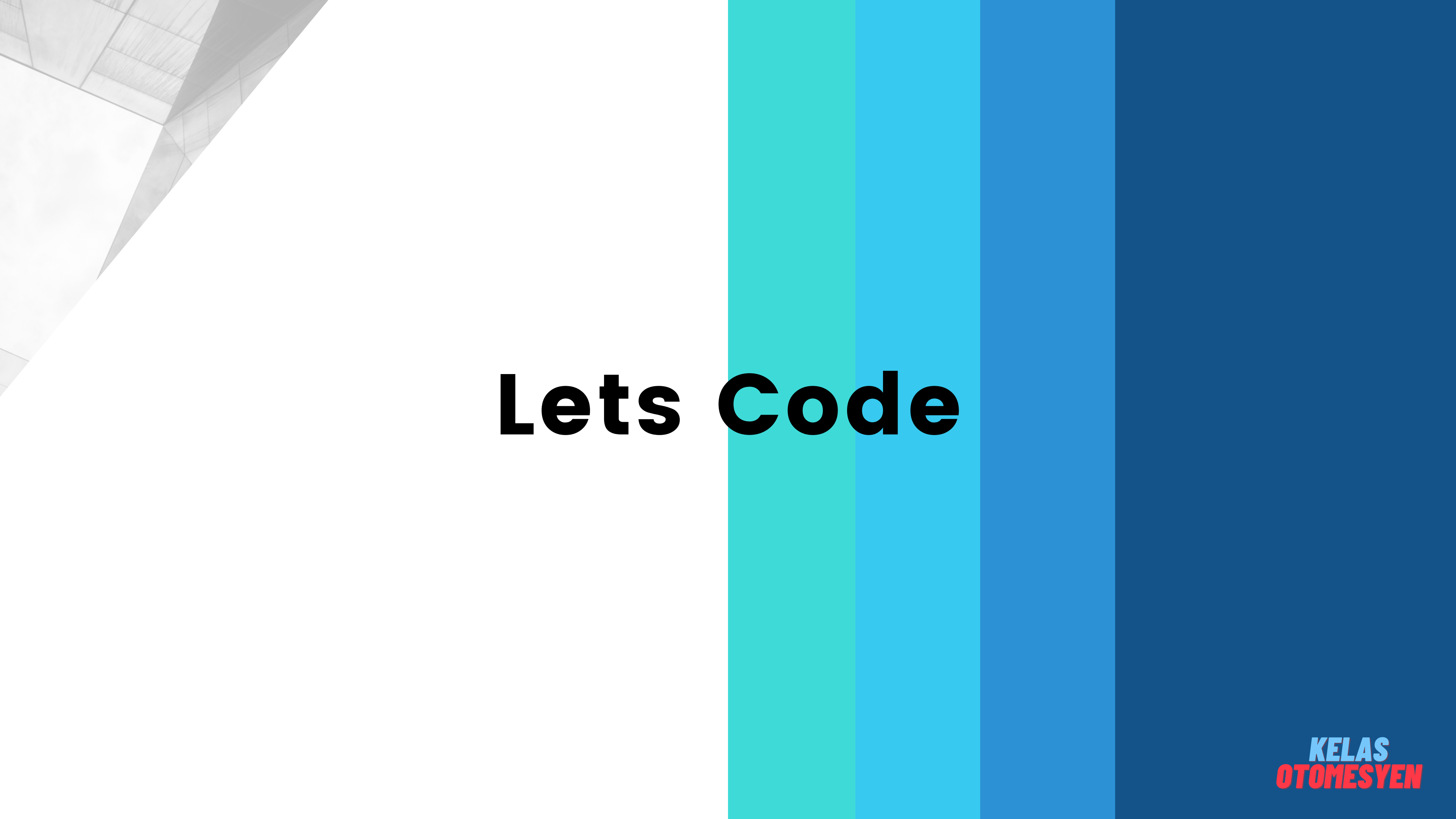
`python -m venv virtualenv`



Activate the venv

Selenium

`pip install selenium`

The background features a white area on the left with a grey geometric pattern in the top-left corner. A vertical bar with a blue-to-teal gradient runs through the center. The right side of the image is a solid dark blue.

Lets Code

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Import Library



```
from selenium import webdriver
```

Create Variabel for webdriver



```
from selenium import webdriver
```

```
driver = webdriver.Chrome(executable_path='path tempat naro webdriver')
```

Basic Navigation / Browser Automation

OPEN URL	<code>driver.get('ketik url-nya di marih')</code>		
MAXIMIZE WINDOW	<code>driver.maximize_window()</code>	MINIMIZE WINDOW	<code>driver.minimize_window()</code>
BACKWARD	<code>driver.back()</code>	FORWARD	<code>driver.forward()</code>
CLOSE WINDOW	<code>driver.close()</code>		
GET PAGE TITLE	<code>driver.title</code>		
CHANGE TAB	<code>driver.switch_to(windows_handle[0])</code>		

Q&A

Tugas

Tampilkan Title dari alamat-alamat berikut secara berurutan.

tiket.com, tokopedia.com, orangsiber.com, demoqa.com, automatetheboringstuff.com

Expected Output :

tiket.com - titlenya

tokopedia.com - titlenya

orangsiber.com - titlenya

demoqa.com - titlenya

automatetheboringstuff.com - titlenya

Syarat wajib:

- Gunakan satu jendela browser
- Gunakan Looping
- Browser minimize dari awal
- Tutup browser setelah selesai

Pengumpulan Tugas:

- Simpan program di repository Github kalian.
- Beri nama repository "kelasotomesyen-mid-nama".
- ganti "nama" pada nama repo tersebut dengan nama masing-masing.
- format nama file tugas01.py
- Kirim link repo-nya ke Link ini: <https://form.jotform.com/231793134311045>
- Paling lambat sebelum Session 2 dimulai.
- Silahkan berdiskusi di grup kelas, tapi tidak saling share jawaban.

Udah.