

# Frequently Asked Interview Questions On Selenium Using Python FAQs

Are you preparing for a Selenium interview using Python? Congratulations! You are on the right track towards becoming a proficient Selenium tester. To help you ace your interview, we have compiled a list of frequently asked questions that you can expect during your interview process. These questions cover various aspects of Selenium using Python and will enable you to showcase your knowledge and expertise to potential employers. Let's dive in!

## 1. What is Selenium?

Selenium is a popular open-source framework used for automating web browsers. It provides a programming interface to interact with web elements and perform various actions like clicking buttons, filling forms, and navigating through web pages. Selenium supports multiple programming languages, including Python.

## 2. Why is Python a preferred language for Selenium?

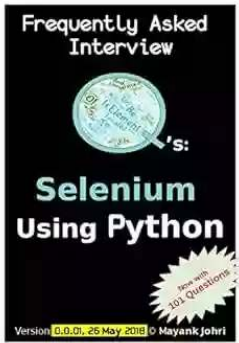
Python is extensively used with Selenium due to its simplicity and ease of use. It offers a wide range of libraries and frameworks that work seamlessly with Selenium. Python's clean syntax and readability make it an ideal choice for writing automated test scripts. Additionally, Python's large community ensures excellent support and a plethora of resources to enhance your Selenium skills.

### Frequently Asked Interview Questions on Selenium Using Python (FAQS Book 3)

by Mayank Johri(Kindle Edition)

★★★★★ 5 out of 5

Language : English



File size	: 170 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 93 pages
Lending	: Enabled



### 3. How can you install Selenium in Python?

Installing Selenium in Python is a straightforward process. You can use the pip package manager to install the Selenium package. Open your command prompt or terminal and execute the following command:

```
pip install selenium
```

This command will download and install the Selenium package along with its dependencies.

### 4. Which web browsers are supported by Selenium using Python?

Selenium supports multiple web browsers, allowing you to test your web applications on different platforms and browser versions. Some popular browsers supported by Selenium with Python include:

- Google Chrome
- Mozilla Firefox
- Microsoft Edge
- Safari

- Opera

## 5. How can you interact with web elements using Selenium in Python?

Selenium provides several methods to interact with web elements such as buttons, input fields, checkboxes, etc. Some commonly used methods include:

- `find_element_by_id()` : Locates an element by its unique ID attribute
- `find_element_by_name()` : Locates an element by its name attribute
- `find_element_by_xpath()` : Locates an element using XPath expressions
- `find_element_by_css_selector()` : Locates an element using CSS selectors
- `find_element_by_tag_name()` : Locates an element by its HTML tag name

## 6. How can you handle different types of alerts in Selenium using Python?

Selenium provides functions to interact with various types of alerts that you might encounter while testing a web application. You can use the following commands to manage alerts:

- `driver.switch_to.alert.accept()` : Accepts the alert by clicking the "OK" button
- `driver.switch_to.alert.dismiss()` : Dismisses the alert by clicking the "Cancel" button
- `driver.switch_to.alert.text` : Retrieves the text message displayed in the alert

- `driver.switch_to.alert.send_keys()` : Enters text into a prompt-style alert

## 7. How can you handle frames and iframes using Selenium in Python?

Selenium allows you to switch between different frames and iframes within a web page. You can use the following commands to interact with frames:

- `driver.switch_to.frame()` : Switches to a specific frame based on its index or name/id attribute
- `driver.switch_to.default_content()` : Switches back to the main/default content of the web page

## 8. What are some best practices for writing efficient Selenium test scripts in Python?

To write efficient Selenium test scripts in Python, you can follow these best practices:

- Use explicit waits to ensure that elements are visible and clickable before interacting with them
- Make your test scripts modular and reusable by creating functions for common tasks
- Implement proper error handling and logging to capture and debug any issues
- Use test data from external sources like CSV or Excel files for data-driven testing
- Employ Page Object Model (POM) design pattern to improve test maintenance and readability

## 9. How can you handle browser cookies using Selenium in Python?

Selenium allows you to manage cookies in your test scripts. You can use the following commands:

- `driver.get_cookies()` : Retrieves all cookies present in the current browser session
- `driver.get_cookie()` : Retrieves a specific cookie based on its name
- `driver.add_cookie()` : Adds a new cookie to the browser session
- `driver.delete_cookie()` : Deletes a specific cookie
- `driver.delete_all_cookies()` : Deletes all cookies from the browser session

## 10. How can you take screenshots using Selenium in Python?

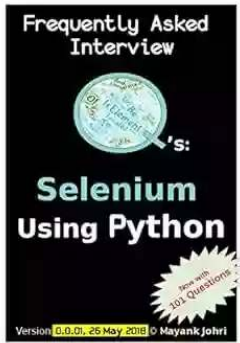
Selenium allows you to capture screenshots of web pages during your test execution. You can use the following command to take a screenshot:

```
driver.save_screenshot("path/to/save/screenshot.png")
```

This command will save the screenshot as a PNG image in the specified path.

These frequently asked interview questions on Selenium using Python will help you prepare effectively for your upcoming interview. Remember to not only memorize the answers but also understand the concepts behind them. With thorough preparation and practical experience, you can confidently demonstrate your Selenium skills and secure your dream job in automation testing!

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This is my attempt to consolidate all the tough & useful questions we can have regarding "Selenium" using "Python". This is similar to my previous attempt for creating a basic book on Python "Frequently Asked Interview Questions : Core Python" where I am consolidating FAQ's on Core Python only.

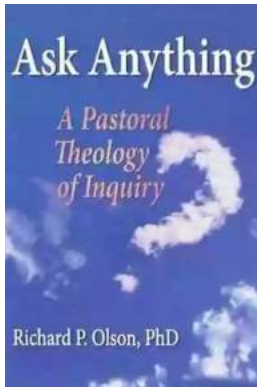
I have two main objectives in writing this book,

- First is it helps you find your next destination ;) and
- Second it acts as a guide for learning Selenium through simple tasks. In order to achieve the second one, I have consolidated the list of questions in the appendix at the end. You can try to read the question and find the solution (Thanks Abhishek for suggesting it 😊) yourself and later check the answer, if you think your found answer is better, do email it to me (mayankjohri @ gmail . com),so that I can add it in this book.

NOTE □ This book will only cover selenium and will not cover any questions for Testing Frameworks such as PyTest etc. I will be creating another book on that topic in near future. That book will extensively cover Testing Frameworks and nothing else. :)

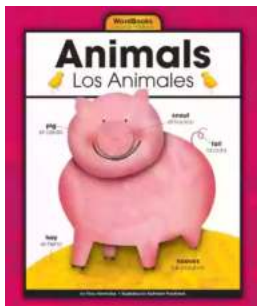
Future Plans: Plan is to have more than 501 questions with answers once the final version is released by end of 2018.

**\*\*Current Status\*\***: 101 Questions have been added in various sections. POM & best practices have the least and will be adding more in future versions and "Cross browser testing" section is almost empty :(



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