



Python SDET Automation Engineer - Selenium & API Testing

Question 1: Single Choice

Question: What is the correct way to handle an alert popup in Selenium?

A. `driver.alert().accept()`

B. `driver.switch_to.alert.accept()`

C. `driver.switch_to_alert().accept()`

D. `driver.handle_alert().accept()`

Correct Answer: Option B:
`driver.switch_to.alert.accept()`

Question 2: Single Choice

Question: Given the following HTML, which locator will NOT find the username input field?

html

```
<div class="login-form">  
<input type="text" id="user" name="username" placeholder="Enter  
username">  
<button id="loginBtn">Login</button>  
</div>
```

A. `driver.find_element(By.ID, "user")`

B. `driver.find_element(By.NAME, "username")`

C. `driver.find_element(By.CSS_SELECTOR, "input[placeholder='Enter username']")`

D. `driver.find_element(By.CLASS_NAME, "login-form")`

Correct Answer: Option D:
`driver.find_element(By.CLASS_NAME, "login-form")` finds the div, not the input

Question 3: Single-Choice

Question: What is the output of the following Python code?

```
python
numbers = [10, 20, 30, 40, 50]
result = list(filter(lambda x: x > 25, numbers))print(result)
```

A. [10, 20]

B. [30, 40, 50]

C. [True, False, True, True, True]

D. 5

Correct Answer: Option B:
[30, 40, 50] (filter returns elements > 25)

Question 4: Single- Choice

Which of the following is NOT a valid pytest fixture scope?

A. `@pytest.fixture(scope="function")`

B. `@pytest.fixture(scope="class")`

C. `@pytest.fixture(scope="module")`

D. `@pytest.fixture(scope="test")`

Correct Answer: Option D

`@pytest.fixture(scope="test")` is NOT valid. Valid scopes are: function, class, module, package, session

Question 5: Fill in the blanks

Question: In Selenium 4, you must use the _____ class to specify the path to the ChromeDriver executable instead of using the deprecated executable_path parameter.

A. Driver

B. Service

C. Path

D. Executable

Correct Answer: Option B:
Service

Question 6: Fill in the blanks

Question: _____ is a mutable, unordered collection in Python that stores data in key-value pairs and provides fast lookup using keys.

A. List

B. Tuple

C. Dictionary

D. Set

Correct Answer: Option B:
Dictionary

Question 7: Multi-Select

Question: Select **ALL** the valid ways to select an option from a dropdown in Selenium using the Select class.

A. `select.select_by_visible_text("Option Text")`

B. `select.select_by_value("option_value")`

C. `select.select_by_index(2)`

D. `select.select_by_id("option_id")`

E. `select.choose_option("Option Text")`

Correct Answer: Options
A,B,C

Question 8: Single Choice

Question: During API automation testing, a POST request to create a new user resource returns a status code of 201. What does this indicate?

- 1. The request was successful, but no content is returned
- 2. The resource was successfully created
- 3. The request is being processed asynchronously
- 4. The resource already exists and was not modified

Correct Answer : Option 2

Explanation: HTTP status code 201 (Created) indicates that the request was successful and a new resource has been created as a result. It's typically used in response to POST requests that create new entities.

Question 9: Single Choice

Question: When validating a JSON response from an API, you need to verify that a nested field `data.user.email` exists and contains a valid email format. Which approach is MOST maintainable in a RestAssured test?

1. Parse the response as a String and use `.contains("@")` to validate email
2. Use JsonPath to extract `data.user.email` and validate using a regex pattern matcher
3. Convert the entire response to a Java object using Gson and access fields directly
4. Store the response in a file and validate manually after test execution

Correct Answer: Option 2

Explanation: Using JsonPath to extract nested fields provides a clean, maintainable way to validate specific response attributes. Combining it with regex pattern matching allows proper validation of email format without over-engineering the solution. This approach is more flexible than full object deserialization for targeted validations.



Guidelines & Learning Resources

Prepare yourself to success



Important Exam Guidelines



Sit in a **quiet place** with a plain background and **good lighting** to ensure a **professional environment**



Ensure **stable internet connection** throughout the exam to avoid disruptions



Keep your **camera ON** at all times during the assessment for proctoring purposes



Do **NOT switch tabs or windows** during the exam - this may result in automatic disqualification



Learning Resources

Need guidance to clear the assessment with a great score? Check out the systematic learning resources below to learn from scratch.

<https://courses.rahulshettyacademy.com/p/python-become-full-stack-qa-automation-expert>

☀ All the Best! ☀

You've prepared well, and we believe in your abilities!

Stay calm, focused, and confident during the assessment.

Success is just around the corner!