



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!