Interview Questions

Python For Testing Interview Questions ?

1. What are the key features of Python?
2. How do you declare variables and assign values in Python?
3. What are the data types in Python?
4. How to create a String in python?
5. Explain the difference between a list, a tuple, and a set in Python.
6. How do you create a dictionary in Python?
7. What are the String, List, Tuple, Dictionary operations ?
8. Differentiate between mutable and immutable objects in Python.
9. How do you handle exceptions in Python? Explain the try-except block.
10. How do you read and write files in Python? (advanced)
11. How do you create a function in python?
12. What is the difference between .py and .pyc files?
13. What are the different ways to write comments in Python?
14. Explain the concept of object-oriented programming (OOP) in Python.
15. What is inheritance, types of inheritance and how to implemented in Python?
16. How do you use the 'map', 'filter', and 'reduce' functions in Python? (advanced question)
17. What are decorators in Python, and how are they used? (advanced question)
18. Reverse a String in Python (Program)
19. Remove the duplicate characters in a string ? (Program)
20. Remove the duplicate numbers in an array ? (Program)

Selenium Interview Questions

1. What is Selenium, and what are its key components?
2. What are the various locators available in Selenium, and how do you choose the appropriate one for a specific element?
3. How do you set up Selenium WebDriver for test automation in Python?
4. Explain the differences between find_element() and find_elements() in Selenium.
5. How do you select an item from the drop down ?
6. How do you handle alerts in Selenium ?
7. How do you handle multiple windows ?
   a. For example, When click on a button on the current window a New window opens , So How do you close the New Window (Second window) ?
8. How do you handle frames in Selenium tests?
   a. For example, How to access an element which is inside a frame ?
9. What are the different wait mechanism in selenium ? when to use which wait mechanism ?
10. How to do Right Click in Selenium ?
11. Difference between quit() and close() methods ?
12. What is XPATH ? types of XPATH ? How to create a Relative XPATH for a given element ?
13. How can you take screenshots in Selenium tests, and when is it useful?
14. What are the different frameworks for Selenium?

    a. You can answer like - TestNG, Page Object Model, Data Driven Concept

15. Which framework do you use in your company ? and explain that ?

16. Can Selenium Support automating Captcha Code ? (Answer : NO)

17. What are the different Exceptions/Errors you get in Selenium ?

18. When do you use JavaScript Executor (in selenium java) / Execute Script (in selenium python) ?

19. How do you handle dynamic elements in Selenium?

20. Can we use Selenium for Mobile Testing ? (Answer : NO , for mobile testing we use appium or other)

PyTest Interview Questions

1. What is PyTest?

2. What are the key features of PyTest?

3. What is a marker , and what are the different types of markers ? how to run the tests with markers ?

4. How do you create custom marks?

5. How to achieve data driven concept or how do you parametrize ?
    a. for example, how do you ran a same testing with different set of data .
    b. for example, login test functionality running with different input set of data .

6. What is the use of fixtures in PyTest? and how to define a fixture in pytest ?

7. What are the different ways to run PyTest tests?

8. How do you use pytest-html to generate reports for your tests?

9. How do you use pytest-xdist to run your tests in parallel?

10. How do you handle test dependencies and ordering in pytest?