

UST Global L1 Interview Questions & Answers

1. Self Introduction

Hi, I'm Archana, having X years of experience in Automation Testing. I've worked extensively on Selenium with Java, TestNG, Maven, and also implemented a Hybrid Framework integrating Data-Driven and Page Object Model. My role involves designing scripts, maintaining frameworks, API testing using RestAssured, and CI/CD integration with Jenkins. I've contributed by creating reusable utilities, implementing reporting with ExtentReports, and version control using Git.

2. Explain Your Framework

Hybrid Framework: Combines Data-Driven, Keyword-Driven, and Page Object Model (POM). - Base Class for browser setup - Page Classes for element handling (POM) - Test Classes with TestNG - Utilities for Excel (Apache POI) and Properties - Reports using ExtentReports

3. How Your Framework is Hybrid

It combines: - Data-Driven (Excel) - Keyword-Driven (Reusable methods) - Page Object Model (UI separation)

4. OOPs Concepts in Framework

- Encapsulation: Page classes hide locators, expose methods - Inheritance: Base class inherited in all test classes - Polymorphism: Method overloading & overriding - Abstraction: Interfaces or abstract Base Class

5. What Happens If You Don't Use Base Class?

Code duplication, no centralized driver management, harder maintenance.

6. Contributions to Framework

- Created Reusable Utilities (Excel, Waits, Screenshot) - Implemented Extent Reporting - Designed Dynamic Locators - Added Cross-Browser Support - Integrated Jenkins for CI/CD

7. Launch Browser Using Base Class

```
public class BaseClass {  
    public static WebDriver driver;  
  
    public static void launchBrowser(String browser) {  
        if (browser.equalsIgnoreCase("chrome")) {  
            WebDriverManager.chromedriver().setup();  
            driver = new ChromeDriver();  
        } else if (browser.equalsIgnoreCase("firefox")) {  
            WebDriverManager.firefoxdriver().setup();  
            driver = new FirefoxDriver();  
        }  
    }  
}
```

```

        }
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
    }
}

```

8. Store and Manage Chrome Versions

- Use WebDriverManager: WebDriverManager.chromedriver().browserVersion("114.0").setup();
- Maintain Config Properties for version

9. JAR Files

Excel → Apache POI JAR | Reports → ExtentReports/Allure JAR

10. Arrange Even Asc & Odd Desc

```

int[] arr = {11,6,5,12,8,1,3,4,5};
List<Integer> evens = new ArrayList<>();
List<Integer> odds = new ArrayList<>();

for (int num : arr) {
    if (num % 2 == 0) evens.add(num);
    else odds.add(num);
}

Collections.sort(evens);
odds.sort(Collections.reverseOrder());

System.out.println("Even Asc: " + evens);
System.out.println("Odd Desc: " + odds);

```

11. Reverse String

```

String str = "Automation";
String reversed = new StringBuilder(str).reverse().toString();
System.out.println("Reversed: " + reversed);

```

12. Page Object Model for ID Element

```

public class LoginPage {
    WebDriver driver;

    @FindBy(id="username")
    WebElement usernameField;

    public LoginPage(WebDriver driver) {
        this.driver = driver;
        PageFactory.initElements(driver, this);
    }

    public void enterUsername(String username) {

```

```
    usernameField.sendKeys(username);
}
}
```