1. **What are the testing types that can be supported by Selenium?**

**Selenium can be used for Functional Testing and Regression Testing.**

1. **How to upload document using selenium Webdriver?**

**We can upload any file using below code**

**driver.findElement(By.id("uploadfile\_0")). sendKeys("C:\\Image.JPG");**

**By.id= Provide id of the element after clicking on which pop window comes to choose file.**

**SendKeys=Give path of the file in your system. It can be any file image , pdf , doc etc.**

1. **How to configure TestNG with selenium?**

**To configure TestNG we have to add plug-in of TestNG into Eclipse below are the steps to do it.**

1. **Go to help.**
2. **Click on “Install New Software”.**
3. **In “Work with” field enter URL** [**http://beust.com/eclipse/**](http://beust.com/eclipse/)
4. **Wait for TestNG plug-in to download from internet.**
5. **Click on finish.**
6. **How to enter E-mail id into Username field using selenium WebDriver?**

**driver.findElement(By.xpath(“xpath of text field”)).sendKeys(“xyz@gmail.com”);**

1. **What is absolute xpath and relative xpath?**

**Absolute xpath:**

**/html/body/div[5]/div[2]/div/div[2]/div[2]/h2[1]**

**Relative xpath:**

**//\*[@id="username"]**

1. **How to set Chrome driver properties and driver path in project?**

**System.setProperty("webdriver.chrome.driver","C:\\Setup\\chromedriver.exe");**

1. **Write selenium code to click on submit button having id = “Submit”.**

**driver.findElement(By.xpath(“xpath of button”)).click();**

1. **Can we configure maven project with selenium?**

**Yes, we can configure maven project with selenium , We just need to create Maven project in the latest version of Eclipse such as Neon or above version because Maven come inbuilt with it hence we just need to add selenium jar files to the maven project and selenium is ready to use.**

1. **How to navigate between pages using selenium Webdriver?**

**driver.navigate.to(); //To launch the website**

**driver.navigate.forward(); //To navigate forward**

**driver.navigate.back(); //To navigate backward**

1. **How to handle newly popped up window and continue test script execution there?**

**For this we will have to use three functions**

1. **getWindowHandle();**
2. **driver.getWindowHandles()**
3. **switchTo().window()**

**String  home= driver.getWindowHandle(); //To store window handle of the current window.**

**for (String handle : driver.getWindowHandles())**

**{**

**driver.switchTo().window(handle); //To switch to new window**

**} //After this control will get transferred to new window**

**driver.switchTo().window(home);// To navigate back to home window**

1. **How to handle java script Alert ?**

**We can handle java script pop-ups using “Alert” class remember alert is a class not an interface.**

**Alert alert = driver.switchTo().alert(); //Creating object of alert class**

**alert.accept(): //To accept alert**

**alert.dismiss(); //To cancel alert**

**alert.sendKeys(); //To enter text into java script pop-up alert**

1. **How to sent data into java script Alert box?**

**alert.sendKeys(); //To enter text into java script pop-up alert**

1. **How to take screen shots in selenium Webdriver?**

**We can tell in interview that for taking screen shot in selenium we have readymade code available we just need to provide file path where we have to save the image**

**// Take screenshot and store as a file format**

**File src= ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);**

**FileUtils.copyFile(src, new File("C:\\Error.png")); //Give path for storing image file**

**getscreenshot(); //calling of method in script to take screenshot**

1. **WebDriver can support the headless execution?**

**Headless Execution: It means test script will execute without opening the browser, it can be achieved in selenium by using HTMLUnit driver**

**WebDriver driver = new HtmlUnitDriver(); //all script below this line will get executed //without opening the browser**

1. **Webdriver Can test iPhone/Android applications?**

**We cannot test iPhone application using Selenium Webdriver. However we can use [Appium](http://appium.io/) for automating, it is “cross-platform”: It facilitates cross platform testing for both iOS and Android using the same API.**

**we can use iOS Driver or Android along with Selenium.**

1. **Write a code to give implicit wait for 10 seconds?**

**driver.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS) ;**

1. **Difference between close and quit?**

**driver.close(); // It is used to close the current browser window**

**driver.quit(); // It is used to close all open browser windows**

1. **Difference between findElemets and findElement?**

**findElement: It will return path of single WebElement.**

**Example: String x=driver.findElement(By.id(“Element ID”)); //Here we are storing path of only single element**

**findElements: It will return the path of more than one WebElements**

**Example: List<WebElement> links=driver.findElements(By. tagName(“a”)); // Here we are storing path of all links**

1. **What are the different types of waits available in WebDriver?**
2. Implicit Wait
3. Explicit Wait

Implicit Wait:

In implicit WebDriver will wait for certain amount of time before throwing an “No Such Element Exception".

Example: driver.manage().timeouts().implicitlyWait(TimeOut, TimeUnit.SECONDS);

Explicit Wait:

In explicit wait WebDriver will wait for certain conditions (**Expected Conditions**) before throwing an "**ElementNotVisibleException**" exception. When given time limit is pass and expected condition is not met it will throw an error.

WebDriverWait wait = new WebDriverWait(WebDriverRefrence,TimeOut); //Creating object of

WebDriverWait

x = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( "/html/body/div[1] ")));

x.click();

1. **What are the limitations of Selenium?**

**Limitations:**

1. Selenium **only** to test **web applications**
2. There is **no support** available for Selenium. We have to use communities portals such as stackoverflow to resolve any issue.
3. **Images compare, captcha entering, barcode reading cannot be automated using selenium Webdriver.**
4. **There is reporting** facility but we can do it using **TestNG , JUnit or Cucumber.**
5. **For using selenium Webdriver you should know at least one programming language for example Java , Python, Ruby etc.**
6. **How to verify compare image using selenium 2.0?**

**We cannot compare images using selenium Webdriver.**

1. **How to maximize window using selenium 2.0?**

**driver.manage().window().maximize();**

1. **How to perform mouse action in selenium?**

**We can perform mouse action using Action class in selenium**

**Actions Act = new Actions(driver);**

**Act.moveToElement(element).click().perform();**

1. **How will you handle table in selenium?**
2. **Write a code to open browser using selenium.**
3. **What are the different element identification techniques used in selenium Webdriver?**
4. **How to perform drag and drop in selenium?**
5. **How to get page souce in selenium?**
6. **How to launch any URL using selenium Webdriver?**
7. **How to get xpath of frame in selenium?**
8. **How to use Actions class to perform a drag and drop?**

**WebElement start = driver.findElement(By.name( "source" ));**

**WebElement end = driver.findElement(By.name( "target" ));**

**Actions builder = new Actions(driver);**

**builder.dragAndDrop(start,end).build().perform();**