* **What is automation? And advantages of automation?**

The process of converting the manual test cases to test scripts by using any automation tool is known as automation.

**Advantages:**

It saves time by executing the test cases without manual effort

* CTC(Cost to company) can be saved
* We can maintain accuracy by repeating the same in same manner
* Bugs can be identified
* We can report the bugs to the developer
* We can ensure for quality
* **What are components available in selenium?**

Selenium contains 4 components

Selenium IDE, selenium RC, Selenium WebDriver,Selenium Grid

* **What’s the latest version of selenium?**

3.141.59

* **Why we should go for selenium instead of QTP or how selenium is different from commercial browser automation tool?**
* Selenium is an opensource automation tool
* It supports multiple languages like java, C#, Perl, python, ruby, html, php
* It supports Firefox, chrome, safari, opera, edge
* Supports window, Linux, mac
* Supports web and mobile application
* **What is selenium IDE?**
* IDE stand for integrated development environment
* IT is for record and run the scripts
* Selenium ide is an add on for Firefox
* It accountable for user actions
* Recorded script can be viewed in the supported languages like html, java, c#, Ruby, python
* **How to capture screenshot?**

File src=((Takescreenshot))driver).getScreenshotAs(OutputType.File);

Fileutils.copyFile(src,new File(“D:\\screenshot.jpeg”);

* **How to maximize the browsers?**

driver.manager().window().maximize();

* **how many test cases can be automated per day?**

It always depends on the application and test cases, but on an average, we can automate 5-6 test cases per day Eg:

1.For analyzing the test cases

2. developing the script

3.debugging and executing the script

4.stabilizing the script

* **What are locators available in selenium webdriver?**
* Xpath
* Name
* Id
* Linktext
* Name
* Classname
* Partial linktext
* Css
* **How many types of xpath are available?**
* Relative xpath
* Absolute xpath
* **What is the difference between / and // in xpath**

// is the starting point of the xpath

/ will navigate into tag

* **How to handle alerts?**

Alert al = driver.switch().to().alert();

al.accept();

al.dismiss();

* **how to work with different windows?**

Set<String> win=driver.get().WindowHandles();

Win.size(); // total windows

Iterator it = win.iterator();

String parent= it.next();

String child=it.next();

driver.switchto().window(child);

* **how to capture window name?**

driver.getWindowHandles();

* **how to get page title?**

driver.getpageitle();

* **how to launch different browser?**

WebDriver driver = new ChromeDriver();

WebDriver driver= new FirefoxDriver();

WebDriver driver = new EdgeDriver();

* **How to set thirty party driver.exe for different browsers?**

System.setproperty(“webdriver.chrome.driver”, “path of driver.exe”);

* **What are disadvantages of selenium?**

Selenium supports only browser based application

* **How to read data from excel?**

FileInputStream fis= new FileInputsStream(“path of excel file”);

Workbook wb = new HSSFWorkbook(fis);

wb.getworkbook();

Sheet s= wb.getSheet(0);

s.getCell();

* **what is maven?**

Maven is built tool

* **How to get the text value of element?**

driver.findElement(By.xpath(“ ”)).getText();

* **how to get all links in a page**

List<WebElement> links= =driver.findElements(By.tagname(“a”));

for(int i=0;i<links.size();i++){

System.out.println(links.get(i).getText());

}

* **What are annotations of TestNg?**
* **How to skip tests in TestNg?**
* **How to set priority in test?**
* **How to use depends on tests in TestNg?**
* **How to see TestNg reports?**