AUTOMATION -TESTING -JAVA

**Automation Testing Java class 1:**

-3- Topics

1. **Introduction**:

* Example 1:

**package** selenium\_session\_1;

/\*Softwares :

\* 1) QTP(UFT)

\* 2) RFT

\* 3) Selenium web services

\* # languages - Python , c#, java , Java script etc.

\* #it automates browser.

\* \*/

/\*

\* Flow of Testing:

\* 1) Manual Testing

\* 2) SQL

\* 3) Core java

\* 4) selenium

\* 5) Agile SCRUM process

\* 6) API Testing

\* \*/

**public** **class** Ex1 {

**public** **static** **void** main(String[] args) {

}

}

1. **Firefox browser**:

* Example 1:

**package** selenium\_session\_1;

**import** org.openqa.selenium.firefox.FirefoxDriver;

/\*Fire-Fox:

\* 1) gecko driver download and copy to project main folder.

\* 2) browser to run we need execution Engine which is gecko driver.

\* \*/

**public** **class** Ex2 {

**public** **static** **void** main(String[] args) {

FirefoxDriver driver = **new** FirefoxDriver(); // 1st step

driver.get("http://www.facebook.com"); // launch web site of given link //2nd step

}

}

1. **Chrome Browser**:

* Example 1:

**package** selenium\_session\_1;

**import** org.openqa.selenium.chrome.ChromeDriver;

/\*Chrome:

\* 1) chrome driver download and copy to project main folder.

\* 2) browser to run we need execution Engine which is chrome driver.

\* \*/

**public** **class** Ex3 {

**public** **static** **void** main(String[] args) {

ChromeDriver driver = **new** ChromeDriver(); // 1st step

driver.get("http://www.facebook.com"); // launch web site of given link //2nd step

}

}

**Automation Testing Java class 2:**

-2- Topics:

1. Locator’s:

* Example 1:

**package** selenium\_session\_1;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.chrome.ChromeDriver;

/\*LOCATORS:

\* step1: Study HTML attributes.

\* step2:Email

\* Note:

\* 1) to type into given field use .sendKeys("");

\* 2) we can use [1]id attribute , if there is no id field search for other

\* locater i.e, [2]name, [3] best way is X-path what industries use.

\* \*/

**public** **class** Ex1 {

**public** **static** **void** main(String[] args) {

ChromeDriver driver = **new** ChromeDriver();

driver.get("https://orangehrm.com/hris-hr-software-demo/");

driver.findElement(By.*id*("Form\_submitForm\_FirstName")).sendKeys("pankaj");// 1st way to access the fields in

// html

driver.findElement(By.*id*("Form\_submitForm\_LastName")).sendKeys("mutha");

driver.findElement(By.*name*("Email")).sendKeys("pankaj@gmail.com");// 2nd way to access the fields in html

driver.findElement(

By.*xpath*("/html/body/section[1]/div/div/div/div/div[2]/div/div/form/fieldset/div[4]/div/input"))

.sendKeys("6361317502");// 3rd way to access the fields in html

}

}

1. X-path(industry standard):

* Example 1:

**package** selenium\_session\_1;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.chrome.ChromeDriver;

/\*X path\*/

/\* \* Note:

\* Steps to get X-path:

\* 1) inspect the field which we want to get the xpath.

\* 2) select element

\* 3) right click

\* 4) copy

\* 5) copy full X-path

\* \*/

/\*Hierarchy:

\* 1) HTML

\* 2) body

\* 3) input

\* --> HTML/body/input (it will never be same)

\*

\* \*/

**public** **class** Ex2 {

**public** **static** **void** main(String[] args) {

ChromeDriver driver = **new** ChromeDriver();

driver.get("https://orangehrm.com/hris-hr-software-demo/");

driver.findElement(

By.*xpath*("/html/body/section[1]/div/div/div/div/div[2]/div/div/form/fieldset/div[4]/div/input"))

.sendKeys("6361317502");

}

}

**Automation Testing Java class 3:**

-4- Topics :