OS Commands

Java -version

Pwd

Ls =ltr

Vi filename

:wq -> Save and exit

Javac fivename.java

Java filename -> to execute the prg

Input from console

Scanner sc= new Scanner

Int num1 = Sc.nextInt();

Int2 num2 = sc.nextInt();

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| --- |
| System.setProperty(“webdriver.chrome.driver”,”path/chrome.exe”); |
| WebDriver driver= new ChromeDriver(); |
| driver.manage().window().maximize(); |
| driver.switchto().frame(0) |
| Driver.getTitle(); |
| Driver.navigate().back() |
| Driver.getPageSource() |
| Driver.switchto().alert().accept(); |
| Driver.switchto().alert().dismiss(); |
| driver.switchTo().defaultContent() |
| Driver.switchto.frame(name) |
| Driver.switchto().frame(webelement) |
| Driver.switchto().frame(index) |
| Driver.getWindowHandle() : gets the string id value for the current browser tab |
| Driver.getWindowHandles() : Returns s set containing the id for each browser tab windows |
| Driver.quit(); closes all the tabs in the window  Driver.close(): closes the current browser tab |
| Driver.switchTo().window(windowID) : to switch between the tabs in the browser |
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| To generate random string for ex: unique email  RandomStringUtils.randomAlphabetic(5); |
| To generate random string for ex: unique email  RandomStringUtils.randomNumeric(4); |
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| String.valueOf(5) – converts integer into string |
| System.getProperty(“user.dir”) : Returns the projects home directory |
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| Approach to identify elements of webpage  By txtEmail = By.xpath("//\*[@id=\"Email\"]"); |
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| Another Approach to identify elements of webpage  @FindBy(id="Email")  @CacheLookup  WebElement txtemail; |
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MouseHover

Actions act = new Actions(driver);

act.moveToElement(admin).moveToElement(user\_mgnt).moveToElement(user).click().build().perform();

Mouse Right click

Actions act = new Actions(driver);

WebElement rclickbtn = driver.findElement(By.xpath("/html/body/div/section/div/div/div/p/span"));

act.contextClick(rclickbtn).build().perform(); // perform right click

Capture alter window text

Alert alert = driver.switchTo().alert();

System.out.println(alert.getText());

alert.accept();

Double click

WebElement button = driver.findElement(By.xpath("//\*[@id=\"HTML10\"]/div[1]/button"));

Actions act = new Actions(driver);

act.doubleClick(button).build().perform() ; //perform diuble click

Drag and drop

WebElement source\_element = driver.findElement(By.xpath("//\*[@id=\"box6\"]")); //Rome

WebElement target\_element = driver.findElement(By.xpath("//\*[@id=\"box106\"]")); //Italy

Actions act = new Actions(driver);

act.dragAndDrop(source\_element, target\_element).build().perform() ;

source\_element = driver.findElement(By.xpath("//\*[@id=\"box3\"]")); //washington

target\_element =driver.findElement(By.xpath("//\*[@id=\"box103\"]")); //usa

act.dragAndDrop(source\_element, target\_element).build().perform();

Thread.sleep(1000);

Resizable

WebElement resize\_element = driver.findElement(By.xpath("//\*[@id=\"resizable\"]/div[3]")); //get the resizable element present in the bottom right corner

Actions act =new Actions(driver);

Thread.sleep(3000);

act.moveToElement(resize\_element).dragAndDropBy(resize\_element, 60, 70).build().perform();

Slider

driver.switchTo().frame(0);

WebElement slider = driver.findElement(By.xpath("//\*[@id=\"slider\"]/span"));

Actions act = new Actions(driver);

act.moveToElement(slider).dragAndDropBy(slider, 100, 0).build().perform();

Thread.sleep(5000);

Reading from excel

FileInputStream file = new FileInputStream("C://santoshi//Selenium//Test//Names.xlsx");

XSSFWorkbook workbook = new XSSFWorkbook(file);

XSSFSheet sheet = workbook.getSheet("Sheet1");

//Get the no. of rows

int rowcnt = sheet.getLastRowNum();

int colcnt = sheet.getRow(0).getLastCellNum();

System.out.println("\n Rows =" +rowcnt +"\n Cols = " +colcnt);

for(int r=0;r<=rowcnt;r++)

{

XSSFRow row = sheet.getRow(r);

for(int c=0;c<colcnt;c++)

{

XSSFCell cell = row.getCell(c);

String value = cell.toString();

//or

//String value = row.getCell(c).toString();

System.out.print(value + " ");

}

System.out.println();

}

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Hashmap uage

HashMap <String, String> hm = new HashMap <String, String> ();

hm.put("x", "mercury@mercury");

hm.put("y", "mercury1@mercury1");

hm.put("z", "mercury2@mercury2");

return hm;

String credentials = loginData().get("z");

System.out.println(credentials);

String uarr[] = credentials.split("@", 2);

System.out.println(uarr[0]);

System.out.println(uarr[1]);

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//JDBC connection

Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521/orcl", "hr", "hr");

//Step 2

Statement stmt = con.createStatement();

//Step3 and 4 Create and execute statement

String s ="Select \* from userLogin";

ResultSet rs = stmt.executeQuery(s);

while(rs.next())

{

String uname = rs.getString("username");

String pwd = rs.getString("pwd");

System.out.println("Username = " + uname + " Password = " + pwd);

}

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Capture Screenshot

@AfterMethod

public void captureScreen(ITestResult result) throws IOException

{

if(result.getStatus() == ITestResult.FAILURE)

{

TakesScreenshot ts = (TakesScreenshot) driver;

File source = ts.getScreenshotAs(OutputType.FILE);

File target = new File (System.getProperty("user.dir")+ "/Screenshots/" + result.getName() +".png") ;

FileUtils.copyFile(source, target);

System.out.println("Screenshot captured");

}

}

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