**Software required** :Eclipse and JDK

**Jar files required** : Apache POI and Selenium Jar files

**Script** : JavaScript

**Task 14: Read the excel sheet and automate the site:**

**Step 1: Creating files:**

Open the eclipse and create a java project 🡪 Create Package under the project file 🡪 Create class file under the package. This step is common for all projects.

Importing the apache POI and selenium jar files. Go to project file 🡪 right click on project file 🡪 select build path 🡪 library’s 🡪select class path 🡪 add external jars 🡪 select all jar files 🡪 apply and close.

**Step 2: Launching the web driver:**

Download the preferred web driver and set the driver to launch the browser during execution of script. mention the driver location in string format in to the script to invoke web driver.

**Step 3: write the script for excel file read:**

Write the code for reading the excel file by using file input stream class to identify the exact location of excel sheet. Create work book under the given excel sheet. Find the last row and last cell from the excel sheet. Get demo website to passing value to the site from excel file. Refer below code to automate the excel sheet.

package SeleniumTasks;

import java.io.FileInputStream;

import java.io.IOException;

import org.apache.poi.xssf.usermodel.XSSFRow;

import org.apache.poi.xssf.usermodel.XSSFSheet;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.edge.EdgeDriver;

import org.openqa.selenium.support.ui.Select;

public class FileReadSelenium {

public static void main(String[] args) throws IOException {

System.setProperty("webdriver.edge.driver", "C:\\Users\\keerthiraja.sp\\Downloads\\edgedriver\_win64\\msedgedriver.exe");

WebDriver driver =new EdgeDriver();

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

driver.get("https://demo.automationtesting.in/Register.html");

//Path of the excel file and getting data from excel sheet

FileInputStream fs = new FileInputStream("C:\\Users\\keerthiraja.sp\\OneDrive - HCL Technologies Ltd\\Desktop\\Keerthiraja Selenium tasks\\Registration.xlsx");

//Creating a workbooks

XSSFWorkbook workbook = new XSSFWorkbook(fs); //creating work book for excel sheet

XSSFSheet sheet = workbook.getSheet("sheet1");// providing sheet name

int noofrow=sheet.getLastRowNum();// return the row count

int noofcolumn=sheet.getRow(0).getLastCellNum(); //returns column/cell count

System.out.println("Number of records in excel sheet : "+ noofrow);

System.out.println("Number of records in excel sheet : "+ noofcolumn);

for(int i=1; i<= noofrow; i++){

XSSFRow currentrow=sheet.getRow(i); // it is focus on current row based on i value.

String Firstname= currentrow.getCell(0).getStringCellValue();

String Lastname= currentrow.getCell(1).getStringCellValue();

String Address= currentrow.getCell(2).getStringCellValue();

String Email= currentrow.getCell(3).getStringCellValue();

long Phone=(long)currentrow.getCell(4).getNumericCellValue();

String Language= currentrow.getCell(5).getStringCellValue();

String Skills= currentrow.getCell(6).getStringCellValue();

String Country= currentrow.getCell(7).getStringCellValue();

//Registration process

//Entering contact information

driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[1]/div[1]/input")).sendKeys(Firstname);

driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[1]/div[2]/input")).sendKeys(Lastname);

driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[2]/div/textarea")).sendKeys(Address);

driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[3]/div[1]/input")).sendKeys(Email);

//Send keys method not allow the numeric values so, we are using string.valueof();

driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[4]/div/input")).sendKeys(String.valueOf(Phone));

//Entering the language by selecting drop down method

//Select dropLanguage=new Select(driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[7]/div/multi-select/div[2]/ul/li")));

//dropLanguage.selectByVisibleText(Language);

//Entering the Skills by select drop down method

Select dropSkill=new Select(driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[8]/div/select")));

dropSkill.selectByVisibleText(Skills);

//Entering the country by select drop down method

Select ctry=new Select(driver.findElement(By.xpath("/html/body/section/div/div/div[2]/form/div[10]/div/select")));

ctry.selectByVisibleText(Country);

}

}

}

**Output:**

