

SQA class 9 & 10

7/7/2023

To do selenium work 2 code needed

the .xml code will be:

```
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd" >
<suite name="Suite" parallel="none">
  <test name="excelReader">
    <!-- <parameter name="browser" value="firefox" />-->
    <classes>
      <class name="Register" />
    </classes>
  </test>
</suite>
```

the main code will be:

```
import io.github.bonigarcia.wdm.WebDriverManager;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.testng.annotations.Test;

import java.util.HashMap;
import java.util.Map;

public class PROJECT_2 {

    public static WebDriver driver;
    @Test
    public void browser() {

        ChromeOptions options = new ChromeOptions(); //
        Map<String, Object> prefs = new HashMap<String, Object>();
        Map<String, Object> profile = new HashMap<String, Object>();
        Map<String, Integer> contentSettings = new HashMap<String, Integer>();
        //0 - Default, 1 - Allow, 2 - Block
        contentSettings.put("notifications", 2);
        contentSettings.put("geolocation", 2);
        profile.put("managed_default_content_settings", contentSettings);
        prefs.put("profile", profile);
        options.setExperimentalOption("prefs", prefs);
        options.addArguments("--remote-allow-origins=");

        //
        //      options.addArguments("--no-sandbox");
        //      options.addArguments("--disable-dev-shm-usage");
        //      options.addArguments("--headless");
        WebDriverManager.chromedriver().setup();
        driver = new ChromeDriver(options);

        driver.get("https://chaldal.com/");
        driver.manage().window().maximize();
        //      driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

        //      return driver;

    }
}
```

Resister

```
import io.github.bonigarcia.wdm.WebDriverManager;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
```

```

import org.openqa.selenium.chrome.ChromeOptions;
import org.testng.annotations.Test;
import java.util.HashMap;
import java.util.Map;

public class Register {

    public static WebDriver driver;
    @Test
    public void browser() throws InterruptedException {

        ChromeOptions options = new ChromeOptions();
        Map<String, Object> prefs = new HashMap<String, Object>();
        Map<String, Object> profile = new HashMap<String, Object>();
        Map<String, Integer> contentSettings = new HashMap<String, Integer>();
        //0 - Default, 1 - Allow, 2 - Block
        contentSettings.put("notifications", 2);
        contentSettings.put("geolocation", 2);
        profile.put("managed_default_content_settings", contentSettings);
        prefs.put("profile", profile);
        options.setExperimentalOption("prefs", prefs);
        options.addArguments("--remote-allow-origins=*");

        //      options.addArguments("--no-sandbox");
        //      options.addArguments("--disable-dev-shm-usage");
        //      options.addArguments("--headless");
        WebDriverManager.chromedriver().setup();
        driver = new ChromeDriver(options);

        driver.get("https://www.hyrtutorials.com/p/add-padding-to-containers.html");
        driver.manage().window().maximize();
        Thread.sleep(2000); // kotokkhn dhore rakbe seta bujhaise .. mane delay time r ki
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

        //      return driver;
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[3]/div/div[2]/div/div/div[2]/div[1]/div/div/div[2]/h5")).click();
        //      Thread.sleep(1000);
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[1]")).click();
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[1]")).sendKeys("Shaharehar");
        //      Thread.sleep(1000);
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[2]")).click();
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[2]")).sendKeys("Anik");
        //      Thread.sleep(1000);
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[3]")).click();
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[3]")).sendKeys("shahareharanik");
        //      Thread.sleep(1000);
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/di
v[2]/input")).click();
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/di
v[2]/input")).sendKeys("password");
        //      Thread.sleep(1000);
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[5]")).click();
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/in
put[5]")).sendKeys("password");
        //      Thread.sleep(1000);
        //      driver.findElement(By.xpath("/html/body/div[2]/div/div[6]/div[1]/div/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
[1]/div[3]/button[1]")).click();
        //      driver.findElement(By.xpath("//*[@id="page"])/div/div[6]/section/div/div/div/div/div/div/div[2]/div[2]/div[1]/div/sectio
n")).click();

    }
}

```

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when firefox browser:

```
FirefoxOptions options = new FirefoxOptions();
options.setProfile(new FirefoxProfile());
options.addPreference("dom.webnotifications.enabled", false);
options.addPreference("geo.enabled", true);
options.addPreference("geo.prompt.testing", true);
options.addPreference("geo.prompt.testing.allow", true);
```

```
WebDriverManager.firefoxdriver().setup();
driver = new FirefoxDriver(options);
```

when two browser works one by one:

the .xml code will be:

```
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd" >
<suite name="Suite" parallel="none">
  <test name="FirefoxTest">
    <parameter name="browser" value="firefox" />
    <classes>
      <class name="MultiBrowserTest" />
    </classes>
  </test>
  <test name="ChromeTest">
    <parameter name="browser" value="chrome" />
    <classes>
      <class name="MultiBrowserTest" />
    </classes>
  </test>
</suite>
```

the main code for two browser:

```
import io.github.bonigarcia.wdm.WebDriverManager;
import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.firefox.FirefoxOptions;
import org.openqa.selenium.firefox.FirefoxProfile;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Parameters;
import org.testng.annotations.Test;
import java.util.HashMap;
import java.util.Map;

import static java.awt.SystemColor.window;

public class MultiBrowserTest {
    public static WebDriver driver;
    @Parameters("browser")
    @BeforeTest
    public void beforeTest(String browser){
        if (browser.equalsIgnoreCase("firefox")){
            FirefoxOptions options = new FirefoxOptions();
            options.setProfile(new FirefoxProfile());
            options.addPreference("dom.webnotifications.enabled", false);
            options.addPreference("geo.enabled", true);
            options.addPreference("geo.prompt.testing", true);
            options.addPreference("geo.prompt.testing.allow", true);
            WebDriverManager.firefoxdriver().setup();
            driver = new FirefoxDriver(options);
        } else if (browser.equalsIgnoreCase("chrome")) {
            ChromeOptions options = new ChromeOptions();
            Map<String, Object> prefs = new HashMap<String, Object>();
            Map<String, Object> profile = new HashMap<String, Object>();
            Map<String, Integer> contentSettings = new HashMap<String, Integer>();
            //0 - Default, 1 - Allow, 2 - Block
            contentSettings.put("notifications", 2);
            contentSettings.put("geolocation", 2);
            profile.put("managed_default_content_settings", contentSettings);
            prefs.put("profile", profile);
            options.setExperimentalOption("prefs", prefs);
            options.addArguments("--remote-allow-origins=*");

            // options.addArguments("--no-sandbox");
            // options.addArguments("--disable-dev-shm-usage");
            // options.addArguments("--headless");
            WebDriverManager.chromedriver().setup();
            driver = new ChromeDriver(options);
        }
    }
    @Test
```

```

        public void test() throws InterruptedException {

            driver.get("https://www.hyrtutorials.com/p/add-padding-to-containers.html");
            driver.manage().window().maximize();
            Thread.sleep(2000); // kotokkhn dhore rakbe seta bujhaise .. mane delay time r ki
            //driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

            //        return driver;
            //        driver.findElement(By.xpath("/html/body/div[2]/div/div[3]/div/div[2]/div/div/div[2]/div[1]/div/div/div[2]/h5")).click();
            //            Thread.sleep(1000);
            //            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            //            [1]/input[1]")).click();
            //            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            //            [1]/input[1]")).sendKeys("Shaharehar");
            //            Thread.sleep(1000);
            //            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            //            [1]/input[2]")).click();
            //            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            //            [1]/input[2]")).sendKeys("Anik");
            //            Thread.sleep(1000);
            //            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            //            [1]/input[3]")).click();
            //            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            //            [1]/input[3]")).sendKeys("shahareharanik");

            //            JavascriptExecutor js = (JavascriptExecutor) driver;
            //            js.executeScript(window.s());

            Thread.sleep(2000);
            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            [1]/div[2]/input")).click();
            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            [1]/div[2]/input")).sendKeys("password");
            Thread.sleep(2000);
            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            [1]/input[4]")).click();
            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div
            [1]/input[4]")).sendKeys("password");
            Thread.sleep(1000);
            driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/d
            iv[1]/div[3]/button[1]")).click();
            //        driver.findElement(By.xpath("//*[@id=\\"page\\"]/div/div[6]/section/div/div/div/div/div/div/div/div/div[2]/div[2]/div[1]/di
            //        v/section")).click();
            driver.quit();
        }
    }
}

```

when two browser works parallely at one time:

the parallel .xml code will be:

```

<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd" >
<suite name = "Parallel Testing Suite">
    <test name = "Parallel Tests" parallel = "methods">
        <classes>
            <class name = "ParallelBrowser" />
        </classes>
    </test>
</suite>

```

the main code will be:

```

import io.github.bonigarcia.wdm.WebDriverManager;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.firefox.FirefoxOptions;
import org.openqa.selenium.firefox.FirefoxProfile;
import org.testng.annotations.Test;

import java.util.HashMap;
import java.util.Map;
import java.util.concurrent.TimeUnit;

```

```

public class ParallelPawTest {
    @Test
    public void FirefoxTest() throws InterruptedException {
        FirefoxOptions options = new FirefoxOptions();
        options.setProfile(new FirefoxProfile());
        options.addPreference("dom.webnotifications.enabled", false);
        options.addPreference("geo.enabled", true);
        options.addPreference("geo.prompt.testing", true);
        options.addPreference("geo.prompt.testing.allow", true);
        WebDriverManager.firefoxdriver().setup();
        WebDriver driver = new FirefoxDriver(options);
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
        driver.get("https://www.hyrtutorials.com/p/add-padding-to-containers.html");
        driver.manage().window().maximize();
        Thread.sleep(2000); // kotokkhn dhore rakbe seta bujhaise .. mane delay time r ki
        //driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

        // return driver;
        // driver.findElement(By.xpath("/html/body/div[2]/div/div[3]/div/div[2]/div/div/div[2]/div[1]/div/div/div[2]/h5")).click();
        Thread.sleep(1000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[1]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[1]")).sendKeys("Shaharehar");
        Thread.sleep(1000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[2]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[2]")).sendKeys("Anik");
        Thread.sleep(1000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[3]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[3]")).sendKeys("shahareharanik");

        // JavaScriptExecutor js = (JavaScriptExecutor) driver;
        // js.executeScript(window.s());

        Thread.sleep(2000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/div[2]/input")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/div[2]/input")).sendKeys("password");
        Thread.sleep(2000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[4]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[4]")).sendKeys("password");
        Thread.sleep(1000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/div[3]/button[1]")).click();
        // driver.findElement(By.xpath("//*[@id=\"page\"]div/div[6]/section/div/div/div/div/div/div[2]/div[2]/div[1]/div/section")).click();
        driver.quit();
    }

    @Test
    public void ChromeTest() throws InterruptedException {
        ChromeOptions options = new ChromeOptions();
        Map<String, Object> prefs = new HashMap<String, Object>();
        Map<String, Object> profile = new HashMap<String, Object>();
        Map<String, Integer> contentSettings = new HashMap<String, Integer>();

        contentSettings.put("notifications", 2);
        contentSettings.put("geolocation", 2);
        profile.put("managed_default_content_settings", contentSettings);
        prefs.put("profile", profile);
        options.setExperimentalOption("prefs", prefs);
        options.addArguments("--remote-allow-origins=");
        WebDriverManager.chromedriver().setup();
        WebDriver driver = new ChromeDriver(options);
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
        driver.get("https://www.hyrtutorials.com/p/add-padding-to-containers.html");
        driver.manage().window().maximize();
        Thread.sleep(2000); // kotokkhn dhore rakbe seta bujhaise .. mane delay time r ki
        //driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

        // return driver;
        // driver.findElement(By.xpath("/html/body/div[2]/div/div[3]/div/div[2]/div/div/div[2]/div[1]/div/div/div[2]/h5")).click();
        Thread.sleep(1000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[1]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[1]")).sendKeys("Shaharehar");
        Thread.sleep(1000);
    }
}

```

```

        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[2]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[2]")).sendKeys("Anik");
        Thread.sleep(1000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[3]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[3]")).sendKeys("shaharearnik");

//          JavascriptExecutor js = (JavascriptExecutor) driver;
//          js.executeScript(window.s());

        Thread.sleep(2000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/div[2]/input")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/div[2]/input")).sendKeys("password");
        Thread.sleep(2000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[4]")).click();
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/input[4]")).sendKeys("password");
        Thread.sleep(1000);
        driver.findElement(By.xpath("/html/body/div[2]/div[6]/div[1]/div/div[2]/div[1]/div[1]/div/div[1]/article/div/div/form/div[1]/div[3]/button[1]")).click();
        // driver.findElement(By.xpath("//*[@id=\"page\"]/div/div[6]/section/div/div/div/div/div/div/div/div/div[2]/div[2]/div[1]/div/div/div[3]/button[1]")).click();
        driver.quit();
    }
}

```

relative xpath

name="name"

(//input[@name="name"])[1]

//label[text()='First Name "']/following-sibling::input[1]

```

Xpath=//input[@type='text']
Xpath=//label[@id='message23']
Xpath=//input[@value='RESET']
Xpath=//*[@class='barone']
Xpath=//a[@href='http://demo.guru99.com/']
Xpath=//img[@src='//guru99.com/images/home/java.png']

```

mouse rover relative xpath:

```

//MOUSE ROVER
Actions actions = new Actions(driver);
WebElement element = driver.findElement(By.xpath("//a[@href =\"https://www.hyrtutorials.com/search/label/Tutorials\"]"));
actions.moveToElement(element).perform();

```

or

```

//MOUSE ROVER
Actions actions = new Actions(driver);
actions.moveToElement(driver.findElement(By.xpath("//a[@href =\"https://www.hyrtutorials.com/search/label/Tutorials\"]"))).perform();
actions.moveToElement(driver.findElement(By.xpath("//a[@href =\"https://www.hyrtutorials.com/search/label/Testing\"]"))).perform();
driver.findElement(By.xpath("//a[@href =\"https://www.hyrtutorials.com/search/label/Selenium\"]")).click();

```

the full code is:

```

import io.github.bonigarcia.wdm.WebDriverManager;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.Test;

```

```

import java.util.HashMap;
import java.util.Map;

public class mouseRover {

    public static WebDriver driver;
    @Test
    public void browser() throws InterruptedException {

        ChromeOptions options = new ChromeOptions();
        Map<String, Object> prefs = new HashMap<String, Object>();
        Map<String, Object> profile = new HashMap<String, Object>();
        Map<String, Integer> contentSettings = new HashMap<String, Integer>();
        //0 - Default, 1 - Allow, 2 - Block
        contentSettings.put("notifications", 2);
        contentSettings.put("geolocation", 2);
        profile.put("managed_default_content_settings", contentSettings);
        prefs.put("profile", profile);
        options.setExperimentalOption("prefs", prefs);
        options.addArguments("--remote-allow-origins=");
        WebDriverManager.chromedriver().setup();
        driver = new ChromeDriver(options);

        driver.get("https://www.hyrtutorials.com/p/add-padding-to-containers.html");
        driver.manage().window().maximize();
        Thread.sleep(2000);

        //MOUSE ROVER
        Actions actions = new Actions(driver);
        /*
        WebElement element = driver.findElement(By.xpath("//a[@href = \"https://www.hyrtutorials.com/search/label/Tutorials\"]"));
        actions.moveToElement(element).perform();
        */
        actions.moveToElement(driver.findElement(By.xpath("//a[@href = \"https://www.hyrtutorials.com/search/label/Tutorials\"]"))).perform();
        actions.moveToElement(driver.findElement(By.xpath("//a[@href = \"https://www.hyrtutorials.com/search/label/Testing\"]"))).perform();
        driver.findElement(By.xpath("//a[@href = \"https://www.hyrtutorials.com/search/label/Selenium\"]")).click();
    }
}

```

using the relative xpath the code will be:

```

import io.github.bonigarcia.wdm.WebDriverManager;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.testng.annotations.Test;
import java.util.HashMap;
import java.util.Map;

public class Register {

    public static WebDriver driver;
    @Test
    public void browser() throws InterruptedException {

        ChromeOptions options = new ChromeOptions();
        Map<String, Object> prefs = new HashMap<String, Object>();
        Map<String, Object> profile = new HashMap<String, Object>();
        Map<String, Integer> contentSettings = new HashMap<String, Integer>();
        //0 - Default, 1 - Allow, 2 - Block
        contentSettings.put("notifications", 2);
        contentSettings.put("geolocation", 2);
        profile.put("managed_default_content_settings", contentSettings);
        prefs.put("profile", profile);
        options.setExperimentalOption("prefs", prefs);
        options.addArguments("--remote-allow-origins=");

        // options.addArguments("--no-sandbox");
        // options.addArguments("--disable-dev-shm-usage");
        // options.addArguments("--headless");
        WebDriverManager.chromedriver().setup();
        driver = new ChromeDriver(options);

        driver.get("https://www.hyrtutorials.com/p/add-padding-to-containers.html");
        driver.manage().window().maximize();
        Thread.sleep(2000); // kotokkhn dhore rakbe seta bujhaise .. mane delay time r ki
        // driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
    }
}

```

```
//      return driver;
//      driver.findElement(By.xpath("/html/body/div[2]/div/div[3]/div/div[2]/div/div/div[2]/div[1]/div/div/div[2]/h5")).click();
      Thread.sleep(1000);
      driver.findElement(By.xpath("//label[text()='First Name']/following-sibling::input[1]")).click();
      driver.findElement(By.xpath("//label[text()='First Name']/following-sibling::input[1]")).sendKeys("Shaharehar");
      Thread.sleep(1000);
      driver.findElement(By.xpath("//label[text()='First Name']/following-sibling::input[2]")).click();
      driver.findElement(By.xpath("//label[text()='First Name']/following-sibling::input[2]")).sendKeys("Anik");
      Thread.sleep(1000);
      driver.findElement(By.xpath("//label[text()='First Name']/following-sibling::input[3]")).click();
      driver.findElement(By.xpath("//label[text()='First Name']/following-sibling::input[3]")).sendKeys("shahareanik@gmail.com");

      Thread.sleep(1000);
      driver.findElement(By.xpath("//input[@type='password']")[1])).click();
      driver.findElement(By.xpath("//input[@type='password']")[1])).sendKeys("password");
      Thread.sleep(1000);
      driver.findElement(By.xpath("//input[@type='password']")[2])).click();
      driver.findElement(By.xpath("//input[@type='password']")[2])).sendKeys("password");
      Thread.sleep(1000);
      driver.findElement(By.xpath("//button[text()='Register']")).click();
      //driver.findElement(By.xpath("//*[id='page']/div/div[6]/section/div/div/div/div/div/div/div/div[2]/div[2]/div[1]/div/div/div/div[1]")).click();
  }
}
```