Q1- Launch Firefox browser & navigate to https://www.seleniumeasy.com/test/javascript-alert-box-demo.html

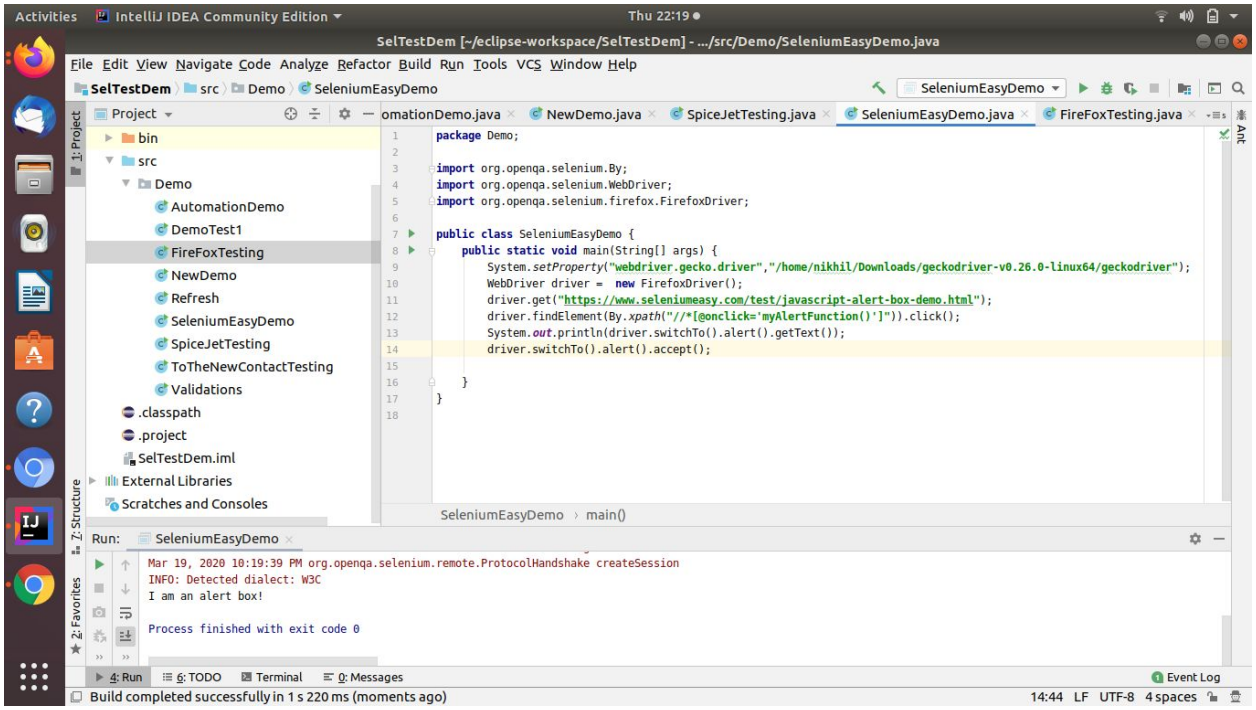
Try to Fetch the alert popup text.

Try to Dismiss the popup.

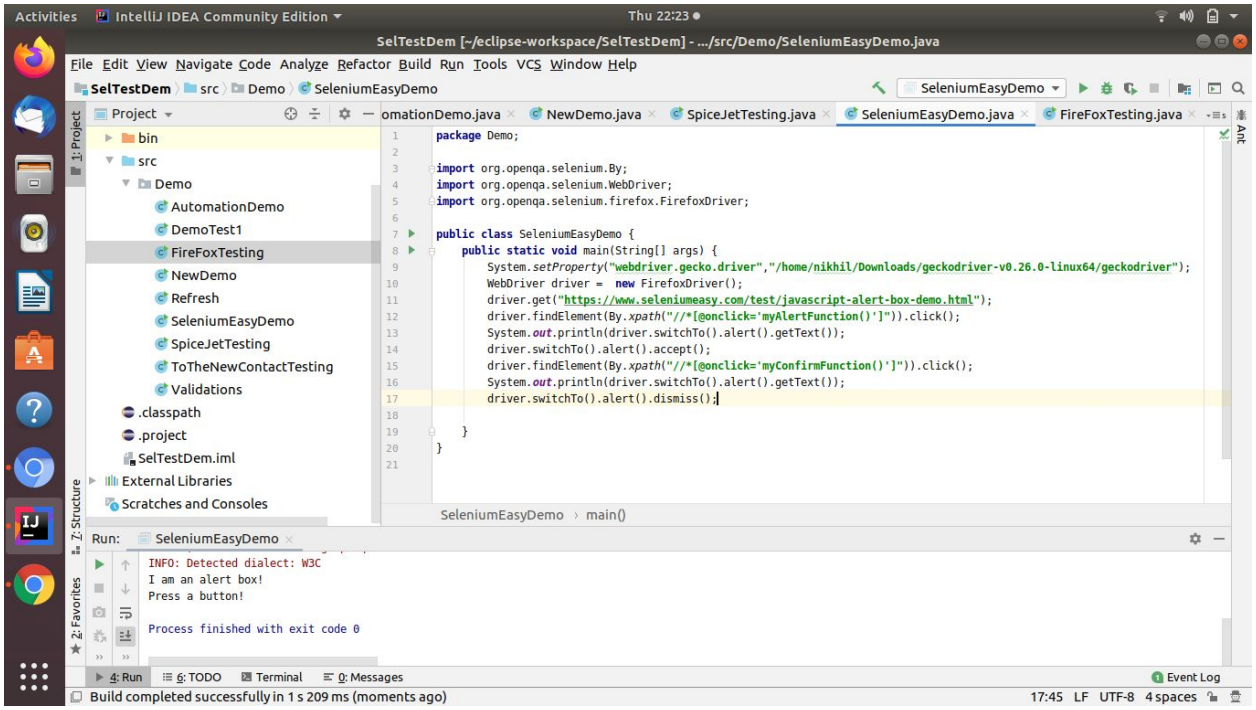
Try to enter some data on an alert popup.

Try to accept the popup.

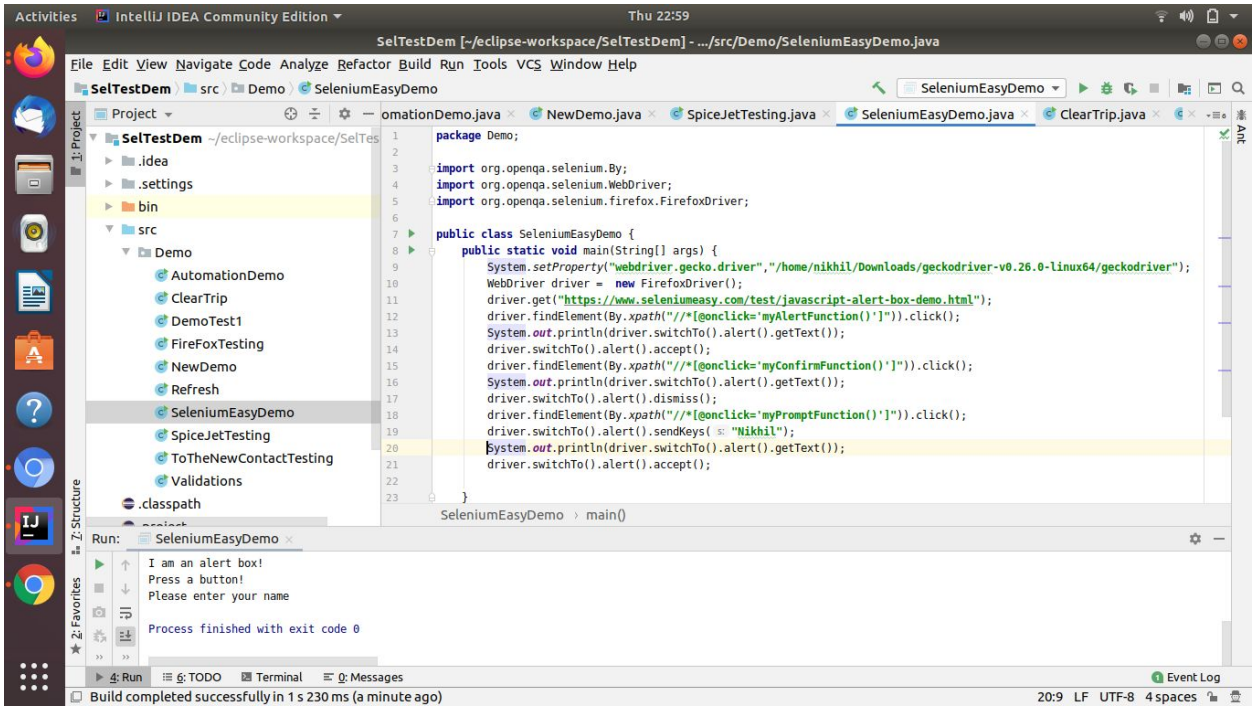
Ans.Accept and Fetch Text:



Dismiss:-



Enter Data:-



Q2- https://www.seleniumeasy.com/test/basic-select-dropdown-demo.html

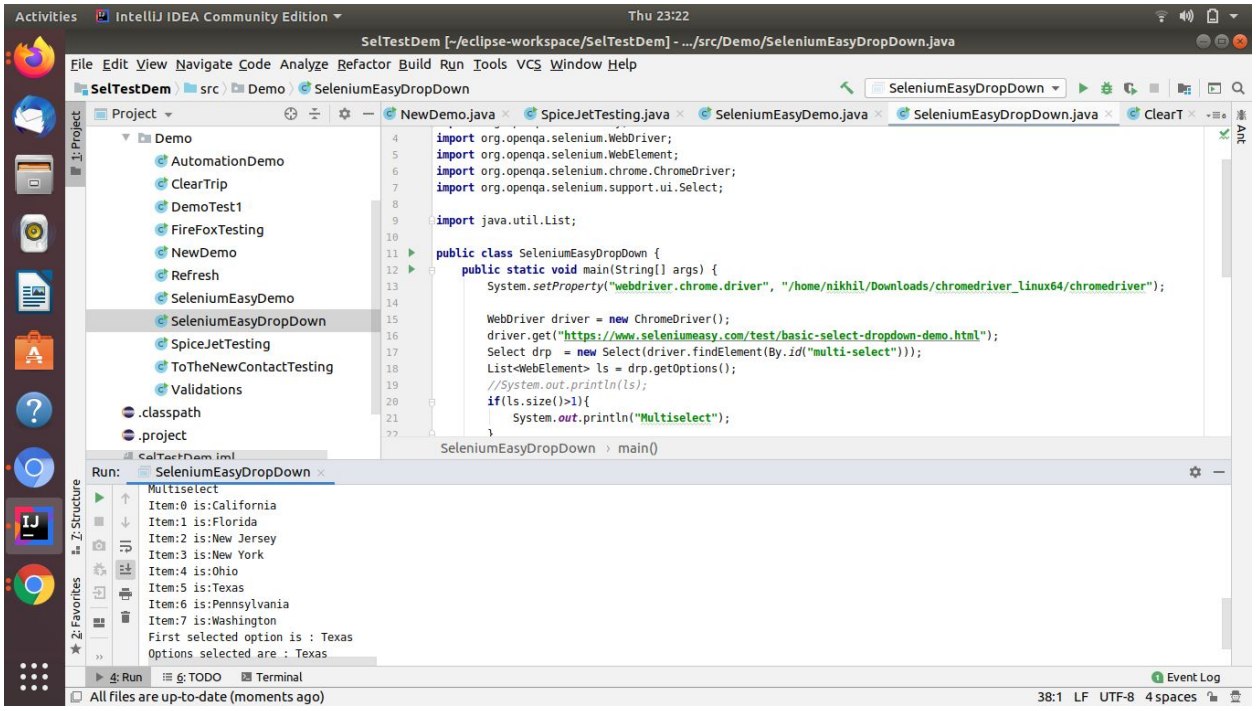
Validate that Multi-Select List Demo is a multiple dropdown.

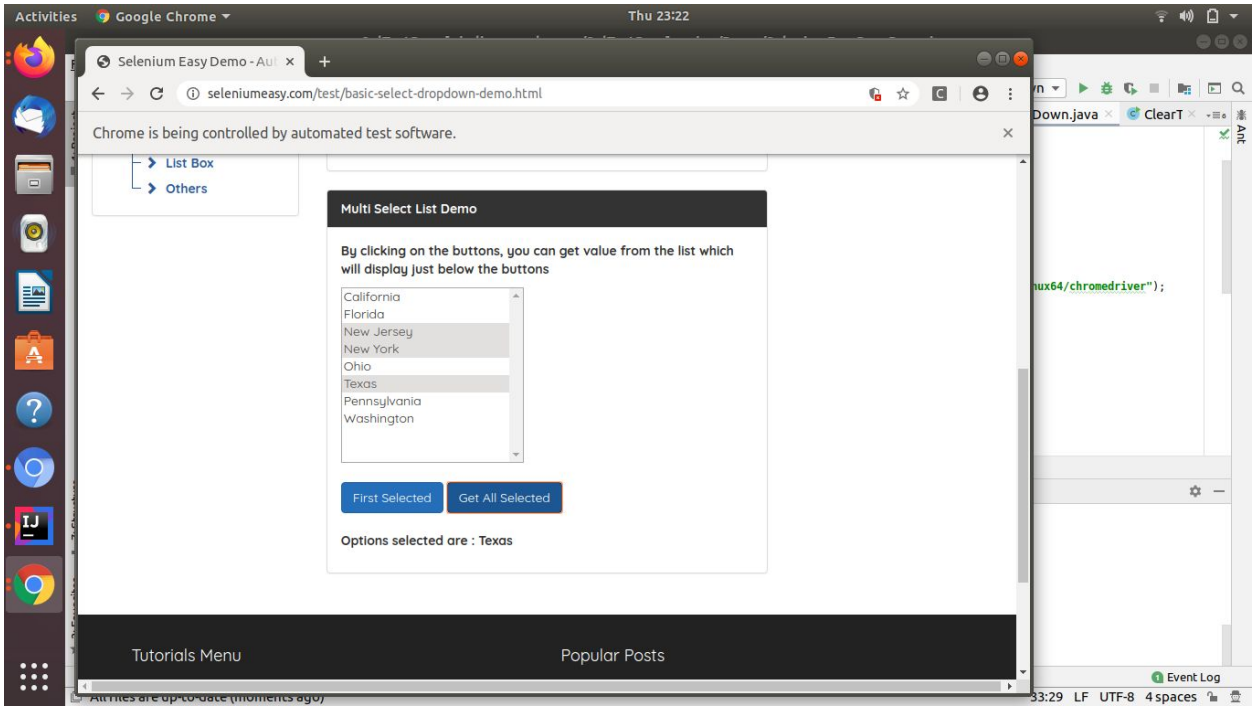
Fetch all the dropdown options

Select New Jersey>New York>Texas then fetch first selected option & all selected options.

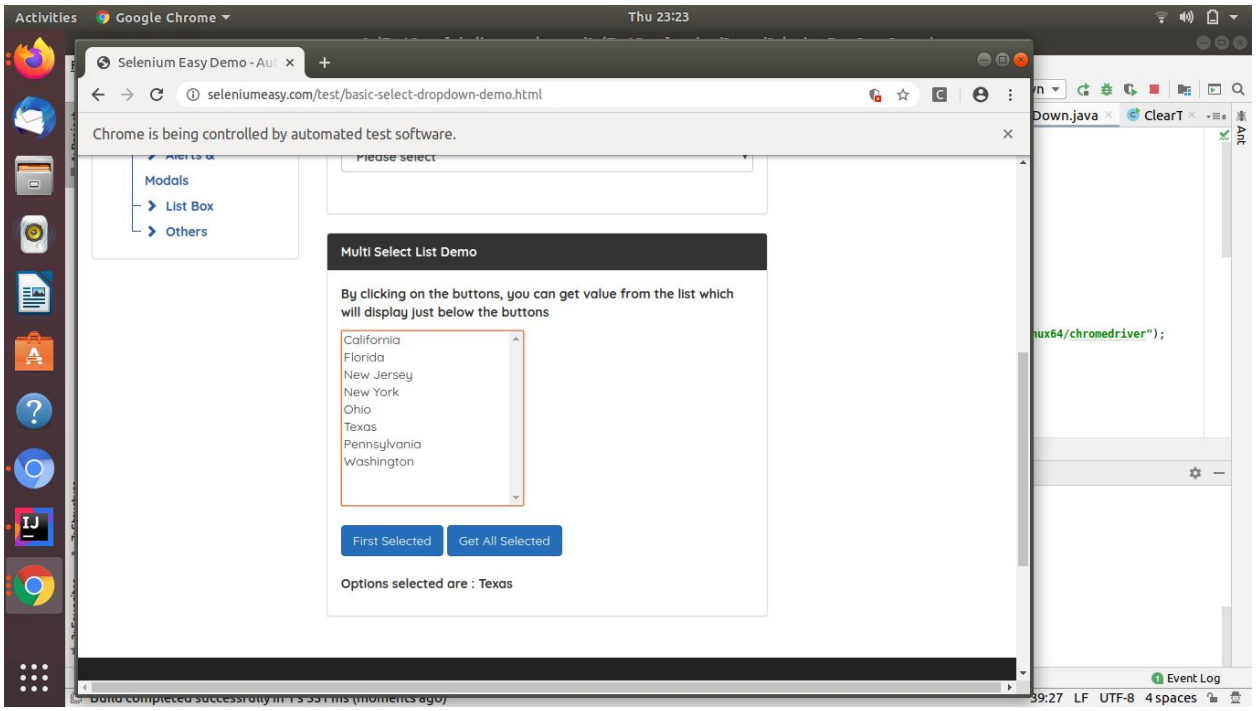
Deselect all the selected options.

Ans.





Deselect:-



Code:-

```
package Demo;


import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

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


import java.util.List;


public class SeleniumEasyDropDown {

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

```
System.setProperty("webdriver.chrome.driver",
"/home/nikhil/Downloads/chromedriver_linux64/chromedriver");


WebDriver driver = new ChromeDriver();
driver.get("https://www.seleniumeasy.com/test/basic-select-dropdown-demo.html");
Select drp  = new Select(driver.findElement(By.id("multi-select")));
List<WebElement> ls = drp.getOptions();
//System.out.println(ls);
if(ls.size()>1){
   System.out.println("Multiselect");
}
else{
   System.out.println("Single Select");
}
//Fetching all options..
for(int i=0;i<ls.size();i++){
   String str = ls.get(i).getText();
   System.out.println("Item:"+i+" is:"+str);
}
drp.selectByValue("New Jersey");
drp.selectByValue("New York");
drp.selectByValue("Texas");
//drp.selectByValue("");
driver.findElement(By.id("printMe")).click();

System.out.println(driver.findElement(By.xpath("//*[@class='getall-selected']")).getText());
```

```
        driver.findElement(By.id("printAll")).click();

System.out.println(driver.findElement(By.xpath("//*[@class='getall-selected']")).getText());
        drp.deselectAll();


    }
}
```

Q3- Difference between implicit & explicit wait along with syntax.

Ans.

Implicit wait: Implicit wait is set for the entire duration of your webdriver and is set at the start of your program. What it does is, in case while executing, if your webdriver doesn't find any element then instead of throwing an exception, implicit wait makes your driver keep checking for that element for the given time. If the driver still does not find the element then it throws an exception. Implicit wait does the same for all the elements in your program, so you just have to set it once.

```
WebDriver driver = new FirefoxDriver();

driver.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);
```

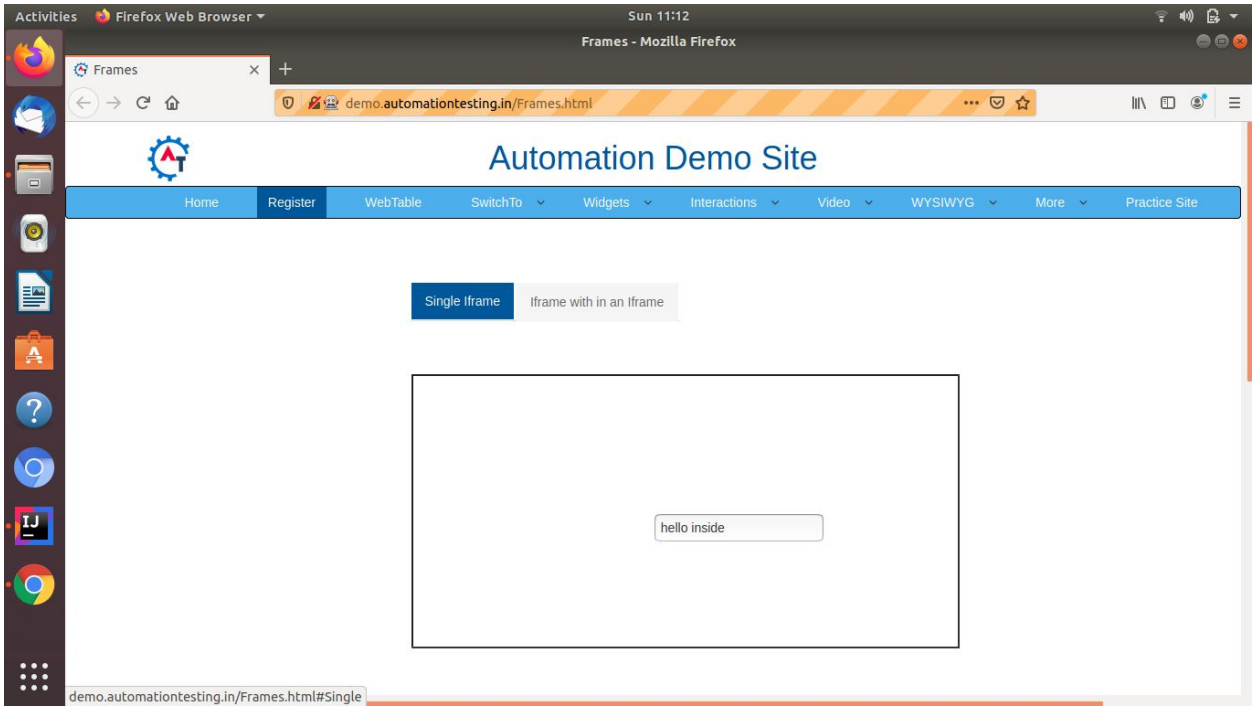
Explicit wait: works similar to Implicit Wait, but unlike Implicit wait, it works only on the particular element, on which it is set, rather than on all elements in your code.Also explicit wait tells the Web Driver to wait for certain conditions (Expected Conditions) or the maximum time exceeded before throwing an exception.

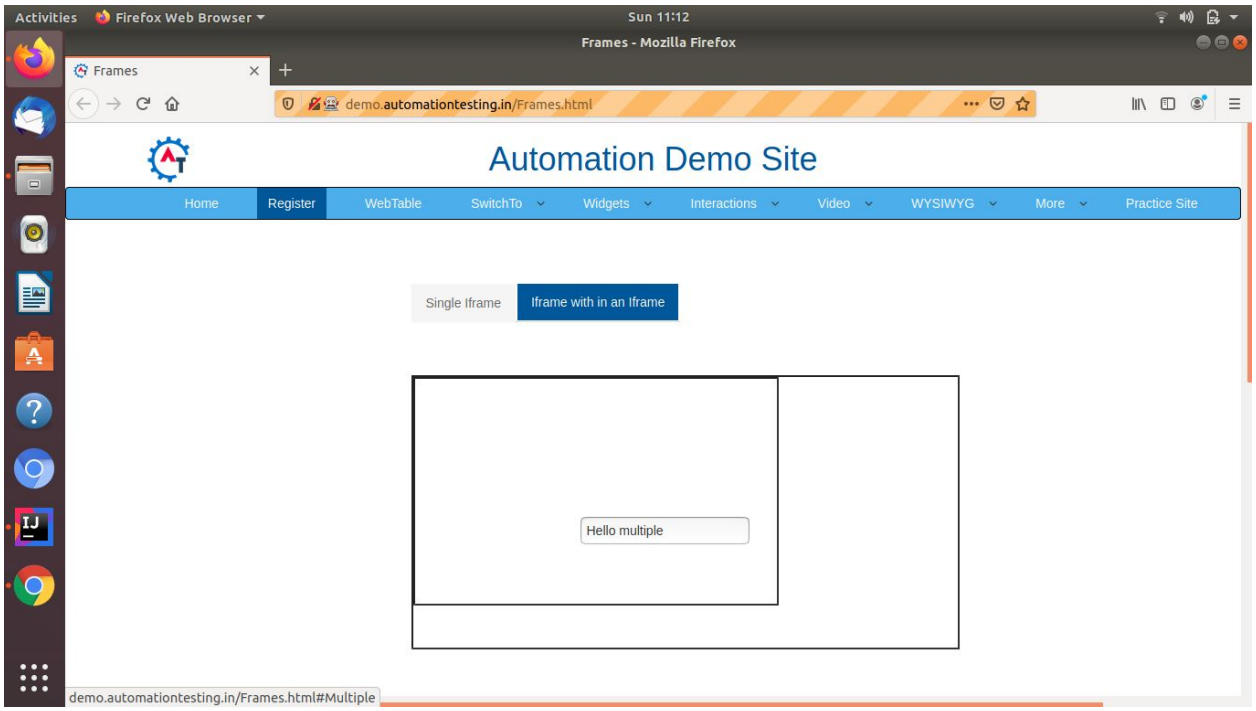
```
WebDriver driver = new FirefoxDriver();

WebDriverWait wait = new WebDriverWait(driver, 10);

wait.until(ExpectedConditions.elementToBeClickable(By.id("id")));
```

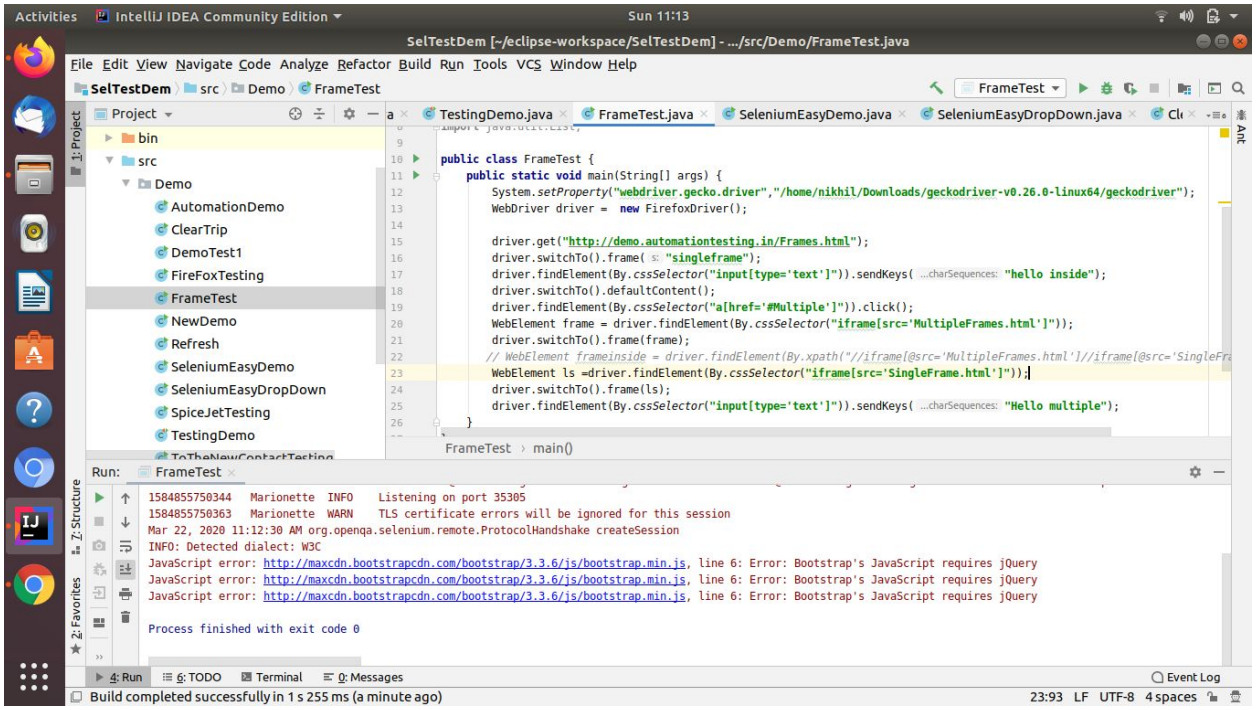
Q4- http://demo.automationtesting.in/Frames.html

Enter the value in the field under single Iframe as well as Iframe within an Iframe in a single script.

Ans.







Code:-

```
package Demo;


import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;


import java.util.List;


public class FrameTest {
   public static void main(String[] args) {


System.setProperty("webdriver.gecko.driver","/home/nikhil/Downloads/geckodriver-v0.26.0-linux64/geckodriver");
```

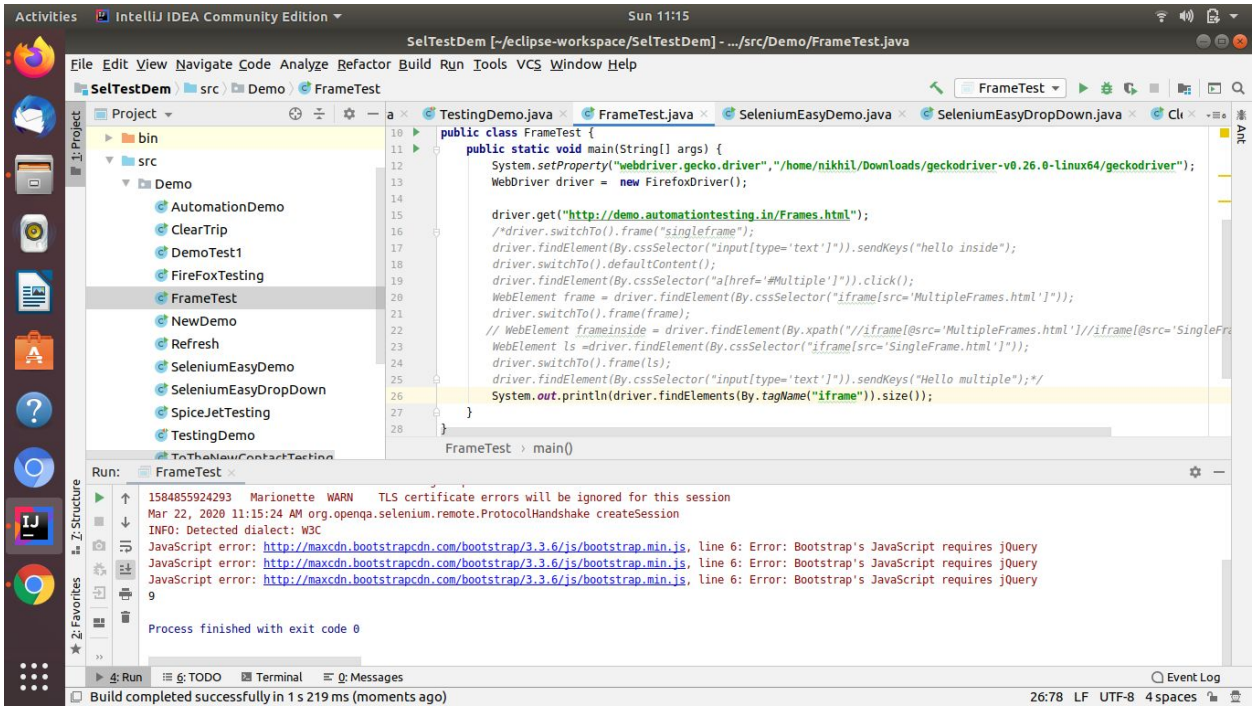
```
      WebDriver driver =  new FirefoxDriver();


      driver.get("http://demo.automationtesting.in/Frames.html");
      driver.switchTo().frame("singleframe");
      driver.findElement(By.cssSelector("input[type='text']")).sendKeys("hello inside");
      driver.switchTo().defaultContent();
      driver.findElement(By.cssSelector("a[href='#Multiple']")).click();
    WebElement
frame=driver.findElement(By.cssSelector("iframe[src='MultipleFrames.html']"));
      driver.switchTo().frame(frame);
      WebElement ls=driver.findElement(By.cssSelector("iframe[src='SingleFrame.html']"));
      driver.switchTo().frame(ls);
      driver.findElement(By.cssSelector("input[type='text']")).sendKeys("Hello multiple");
  }
}
```

Q5- http://demo.automationtesting.in/Frames.html

Print the count of frames on this application.

Click on Sample content link & Then validate the header text as Acid-free paper for the digital age.

Ans.



Code:-

```
package Demo;


import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;


import java.util.List;


public class FrameTest {
   public static void main(String[] args) {
```

System.*setProperty*(**"webdriver.gecko.driver","/home/nikhil/Downloads/geckodriver-v0.26.0-linux64/geckodriver"**);

WebDriver driver = **new** FirefoxDriver();

driver.get(**"http://demo.automationtesting.in/Frames.html"**);

System.***out***.println(driver.findElements(By.*tagName*(**"iframe"**)).size());

}

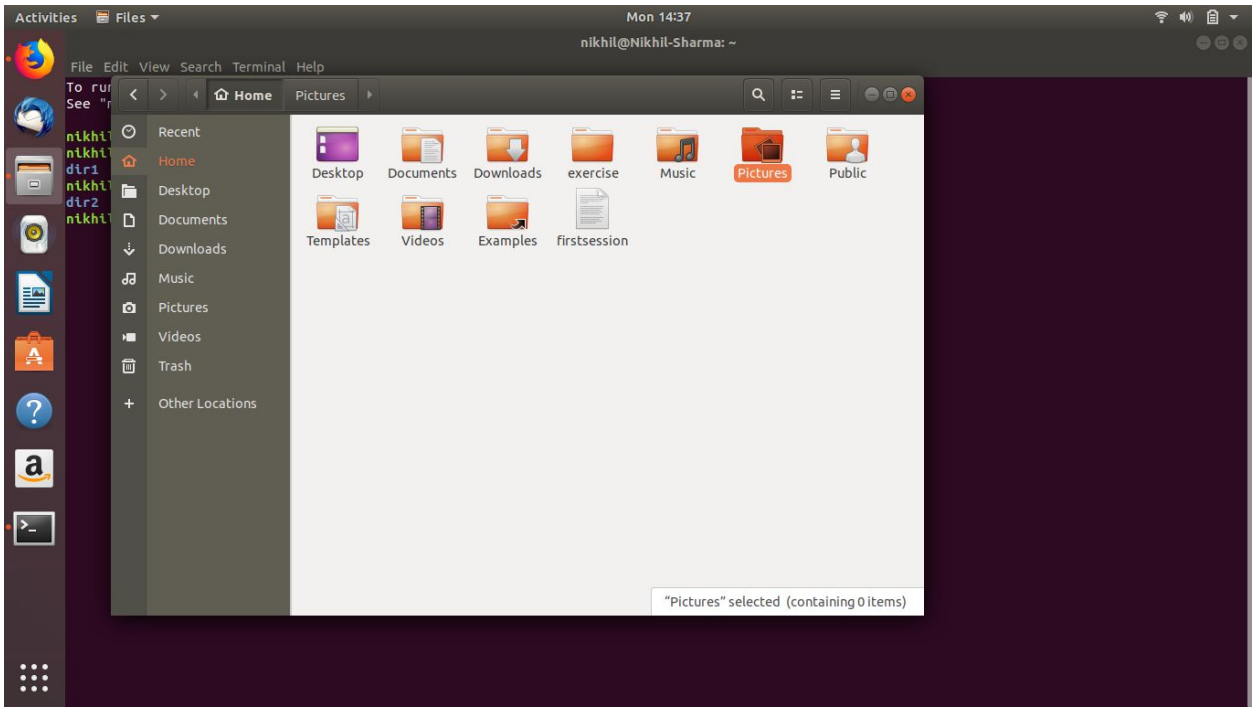
}

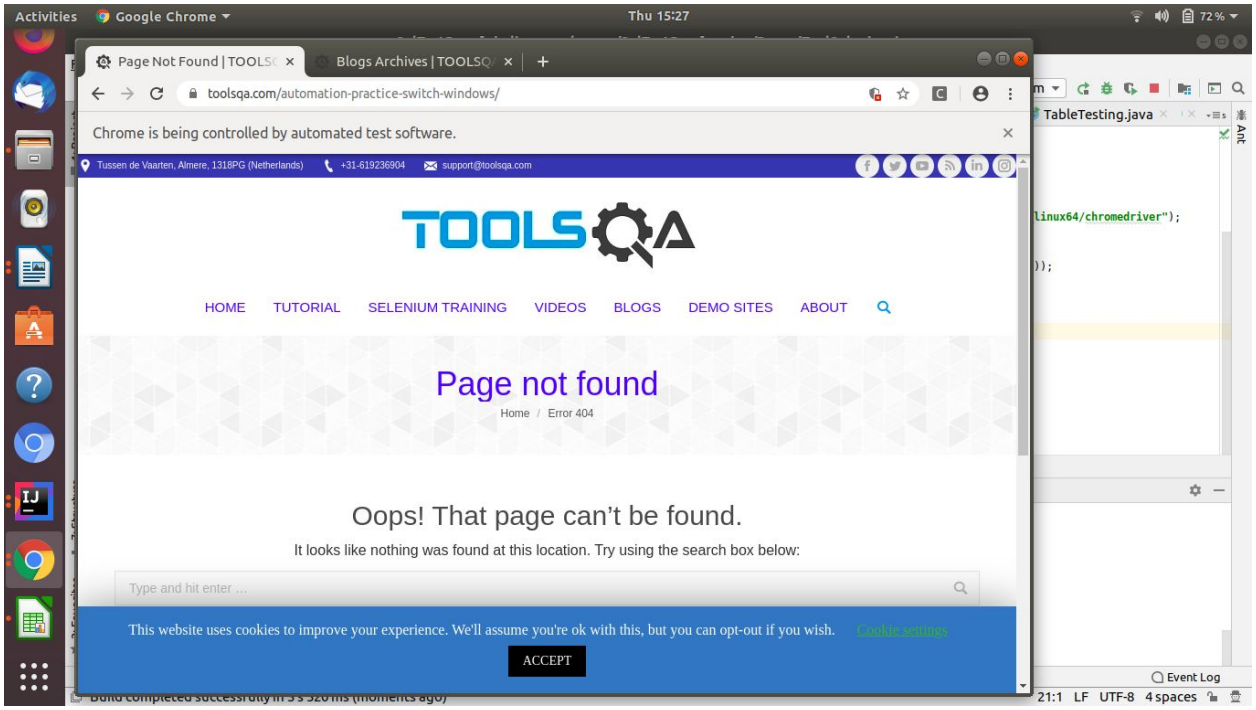
*There is no link named sample content link on the given url's ui.

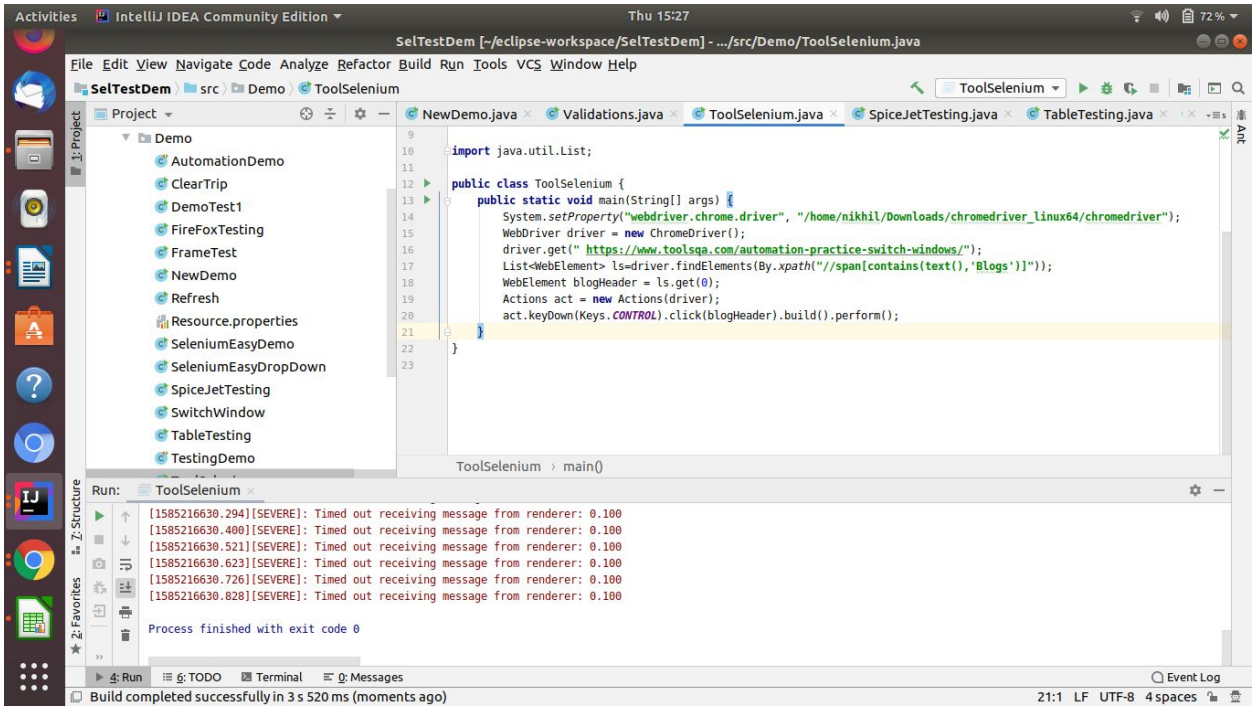
Q6- https://www.toolsqa.com/automation-practice-switch-windows/

Click on New Browser Tab then click on Blog Tab in the newly opened window.

Ans.







Code:-

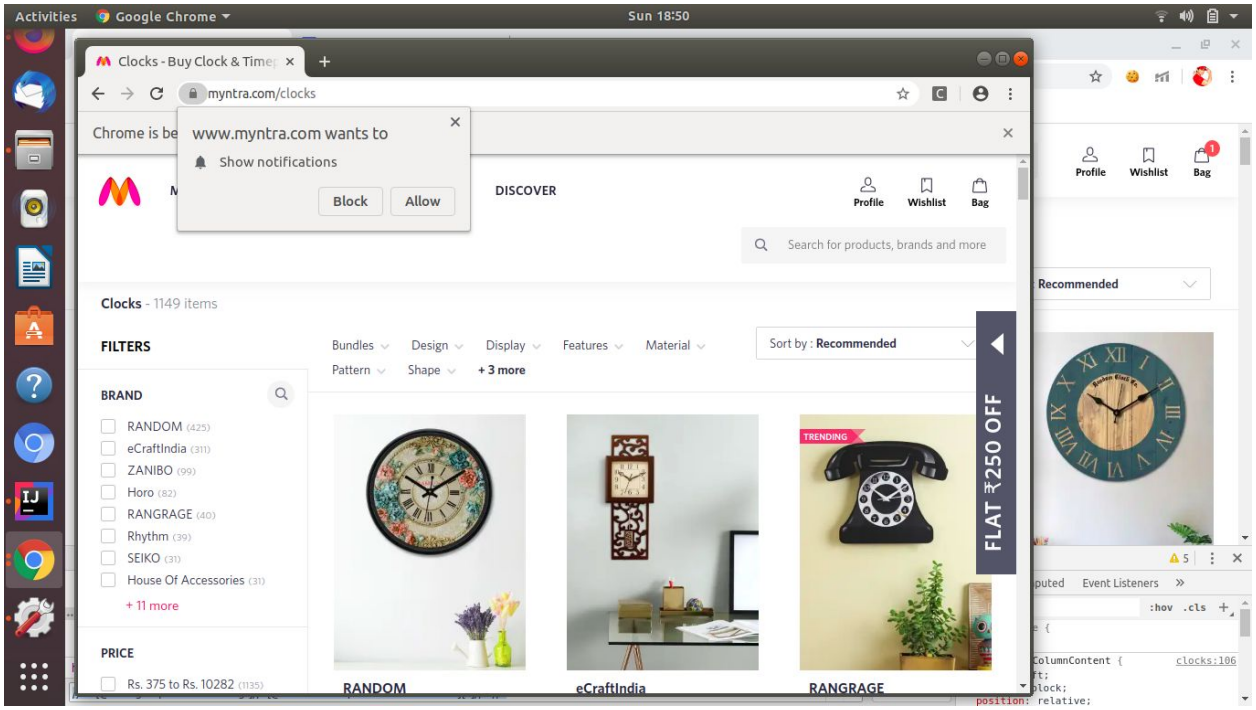
```
package Demo;


import org.openqa.selenium.By;
```

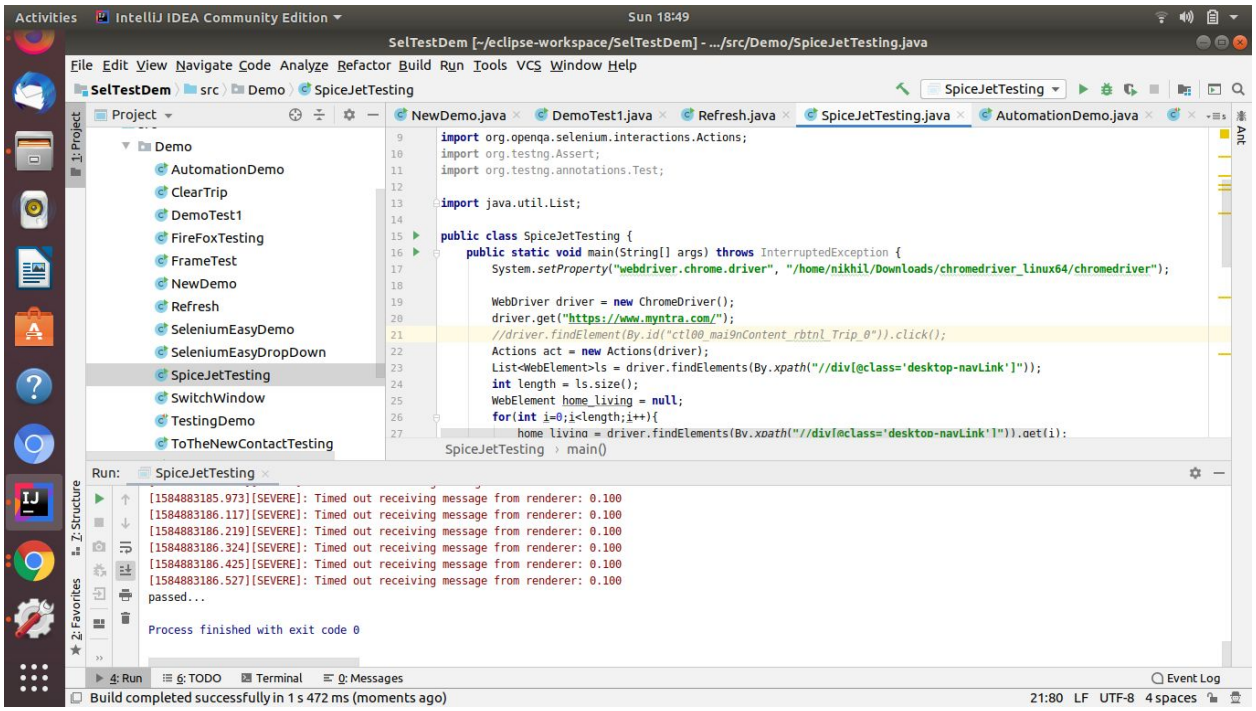
```
import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;


import java.util.List;


public class ToolSelenium {

  public static void main(String[] args) {

     System.setProperty("webdriver.chrome.driver",
"/home/nikhil/Downloads/chromedriver_linux64/chromedriver");

     WebDriver driver = new ChromeDriver();

     driver.get(" https://www.toolsqa.com/automation-practice-switch-windows/");

     List<WebElement> ls=driver.findElements(By.xpath("//span[contains(text(),'Blogs')]"));

     WebElement blogHeader = ls.get(0);

     Actions act = new Actions(driver);

     act.keyDown(Keys.CONTROL).click(blogHeader).build().perform();

  }

}
```

Q7- https://www.myntra.com/

Mouse hover on the Home & Living tab then click clock, now validate that the navigated URL is for the clock section.

Ans.





Code:-

package Demo;

```
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.interactions.Action;
import org.openqa.selenium.interactions.Actions;
import org.testng.Assert;
import org.testng.annotations.Test;

import java.util.List;

public class SpiceJetTesting {
  public static void main(String[] args) throws InterruptedException {
    System.setProperty("webdriver.chrome.driver",
"/home/nikhil/Downloads/chromedriver_linux64/chromedriver");

    WebDriver driver = new ChromeDriver();
    driver.get("https://www.myntra.com/");
    Actions act = new Actions(driver);
    List<WebElement>ls =
driver.findElements(By.xpath("//div[@class='desktop-navLink']"));
    int length = ls.size();
    WebElement home_living = null;
    for(int i=0;i<length;i++){
      home_living =
driver.findElements(By.xpath("//div[@class='desktop-navLink']")).get(i);
```

```
        if(home_living.getText().contains("HOME & LIVING")){
            break;
        }
    }
    act.moveToElement(home_living).build().perform();
    List<WebElement> list =
driver.findElements(By.xpath("//div[@data-group=\"home-&-living\"]//li[@class='desktop-o
ddColumnContent'][2]//ul//li"));
    int listSize = list.size();
    WebElement clock=null;
    for(int i=0;i<listSize;i++){
        clock =
driver.findElements(By.xpath("//div[@data-group=\"home-&-living\"]//li[@class='desktop-o
ddColumnContent'][2]//ul//li")).get(i);

        if(clock.getText().contains("Clocks")){
            break;
        }
    }
    clock.click();
    if(driver.getTitle().contains("Clocks")){
        System.out.println("passed...");
    }
    else{
        System.out.println("Failed...");
    }
  }
```

}