

AUTOMATION WEB APPLICATION

REDIFFDEMO:

```
package com.qa.SeleniumScripts;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class RediffDemo {

    public static void main(String[] args) throws
    InterruptedException {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

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

        driver.get("http://register.rediff.com/register/register.php?F
ormName=user_details");

        //
        driver.findElements(By.xpath("//input[@type='text']")).get(0).
        sendKeys("hari");

        driver.findElement(By.xpath("(//input[@type='text'])[1]")).sen
dKeys("hari gadhe");
        Thread.sleep(2000);

        driver.findElement(By.xpath("(//input[@type='text'])[2]")).sen
dKeys("admin123");
        Thread.sleep(2000);

        driver.findElement(By.xpath("(//input[@type='button'])[1]")).c
lick();
        Thread.sleep(2000);

        driver.findElement(By.xpath("(//input[@type='password'])[1]"))
.sendKeys("password@123");

    }

}
```

CSSS SELECTOR DEMO:

```

package com.qa.SeleniumScripts;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class CSSSelectorDemo {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

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

        driver.get("https://www.facebook.com");

        // 1. find element using tag and id ==> tagname#idvalue

        driver.findElement(By.cssSelector("input#first_name")).sendKeys("hari");

        //driver.findElement(By.cssSelector("input.required")).sendKeys("Gadhe");

        driver.findElement(By.cssSelector("input[name=last_name]")).sendKeys("Gadhe");
    }
}

```

WEB ELEMENT DEMO:

```

package com.qa.SeleniumScripts;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class WebelementDemo {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

        driver.get("https://www.wikipedia.org/");
    }
}

```

```

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

        // store the location of the element in an object of type
WebElement

        WebElement e1 = driver.findElement(By.id("searchInput"));

        e1.isDisplayed();
        e1.isEnabled();
        e1.sendKeys("Automation testing");
        Thread.sleep(3000);
        // Name locator

        WebElement e2 = driver.findElement(By.name("search")) ;

        e2.clear();
        e2.sendKeys("New data for automation");

    }

}

```

XPATH DEMO:

```

package com.qa.SeleniumScripts;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class XPATHDemo {

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

```

```

        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

        driver.get("https://www.wikipedia.org/");

        // Find an element using XPATH locator

        // XPath : Relative XPath : //tag[@attribute='value']

        driver.findElement(By.xpath("//input[@name='search']")).sendKeys("findelement");

        // element 2 to click on button

        Thread.sleep(2000);

        driver.findElement(By.xpath("//button[@type='submit']")).click();

    }

}

```

LINKS DEMO:

```

package com.qa.SeleniumScripts;

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

```

```

import org.openqa.selenium.chrome.ChromeDriver;

public class LinksDemo {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

        driver.get("https://www.wikipedia.org/");

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

        driver.manage().deleteAllCookies();


        driver.findElement(By.xpath("//*[@id='searchInput']")).sendKeys("Testing");


        driver.findElement(By.cssSelector("button[type=submit]")).click();

        // click on the link

        WebElement li= driver.findElement(By.linkText("Current events"));

        li.isDisplayed();
        li.isEnabled();
        li.click();

        driver.findElement(By.partialLinkText("Log")).click();

        driver.close();

    }

}

```

LOCATORS ID:

```

package com.qa.SeleniumScripts;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class LocatorsID {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

        driver.get("https://www.wikipedia.org/");

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

        // Check if the element is displayed

        boolean dis =
driver.findElement(By.id("searchInput")).isDisplayed();

        System.out.println("IS the element displayed ?" + dis);

        // check if the element is enabled or not

        boolean enb =
driver.findElement(By.id("searchInput")).isEnabled();

        System.out.println("IS the element enabled ?" + enb);

        // Enter data in the webelement - input box

        if(enb==true)
        {

            driver.findElement(By.id("searchInput")).sendKeys("Automation
testing");
        }
        else
        {
            System.out.println("textbox is not enabled");
        }

    }
}

```

```
}
```

LOCATOR TAGS:

```
package com.qa.SeleniumScripts;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class Locatortag {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

        driver.get("https://www.wikipedia.org/");

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

        // wherever out attribute value is not unique, then go
        for findElements & get

        driver.findElements(By.tagName("input")).get(2).sendKeys("data
");

    }

}
```

NAVIGATION METHOD:

```
package com.qa.SeleniumScripts;

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

public class NavigationMethods {

    public static void main(String[] args) throws
InterruptedException {
        // TODO Auto-generated method stub

        WebDriver driver = new ChromeDriver();

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

    }

}
```

```

        driver.manage().deleteAllCookies();

        driver.get("https://www.wikipedia.org/");

        String expctedtitle= "Wikipedia123";

        String actualtitle = driver.getTitle(); // will fetch the
title of the page

        if(expctedtitle.equals(actualtitle))
        {
            System.out.println("title of the page is correct");
        }
        else {
            System.out.println("title of the page is not
correct");
        }

        driver.navigate().to("https://www.selenium.dev/downloads/");

String title1 = driver.getTitle(); // will fetch the title of the
page

        System.out.println("Title of Page2 =" + title1);

        driver.navigate().back(); // navigates back to previous
url

        Thread.sleep(2000);

        driver.navigate().forward();

        Thread.sleep(2000);

        driver.close();

    }

}

```

SETUP CHECK:

```

package com.qa.SeleniumScripts;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class SetUpcheck {

```



```

    public static void main(String [] args) throws
InterruptedException
    {
        // WebDriver

        // can open a chrome browser window

        WebDriver driver = new ChromeDriver();

        // Maximize the browser window

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

        // Open a webpage-URL on the browser

        driver.get("https://www.wikipedia.org/");


        // do some testing

        //Close the browser window

        Thread.sleep(2000); // add wait time before closing the
window

        driver.close(); // will close that particular browser
window

    }

}

```