

Selenium

- description :
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Selenium ?

Selenium
Selenium
Selenium

API

- firefox
- Chrome
- safari
- IE
-

Tip

Drive가 가 .

Chrome Driver Download



driver

Chrome



maven

```
<dependency>
  <groupId>org.seleniumhq.selenium</groupId>
  <artifactId>selenium-java</artifactId>
  <version>2.35.0</version>
</dependency>
```

Selenium code

java

```
package main;

import java.util.concurrent.TimeUnit;

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

public class SeleniumTest
{

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

    public static void chromTest() throws IllegalStateException
    {
        WebDriver driver = null;
        try
        {
            // drvier -
            System.setProperty("webdriver.chrome.driver",
"D:\\eclipse_repository\\eGovFrameDev-3.9.0-64bit\\workspace\\parsingApi\\util\\chromedriver.exe");
            // Chrome
            driver = new ChromeDriver();

            // URL
            // URL .
        }
    }
}
```

```

        driver.get(
"https://www.google.com/search?q=%EA%B5%AC%EA%B8%80%EB%B2%88%EC%97%AD&oq=%EA%B5%AC%EA%B8%80%EB%B2%88%EC%97%AD&aqs=chrome..69i57j35i39j0l4.2179j0j7&sourceid=chrome&ie=UTF-8");
        //
        driver.manage().timeouts().implicitlyWait(2, TimeUnit.SECONDS);
        // xpath selector.
        WebElement element;

        // test
        String[] s_array = new String[3];
        s_array[0] = "This book aims to strengthen an understanding of the sculptural possibilities of form and space through developing a visual language and structure that recognizes and ";
        s_array[1] = "gives priority to 3dimensional visual perception It is written so as to apply to both the active process of shaping 3D form and space and analyzing any existing visual situation Introduction";
        s_array[2] = "收費服務，可用於單詞，詞組和";

        // *[@id="tw-sl"]/span[1]

        //
        for (String str : s_array)
        {
            //
            element = driver.findElement(By.xpath("//*[@id='tw-sl']/span[1]"));
            //
            element.click();

            Thread.sleep(1000);

            //
            element = driver.findElement(By.xpath(
                "//*[@id='tw-container']/g-expandable-container/div/div/div[6]/g-expandable-container/div/g-expandable-content/span/div/div[3]/div[1]/div/div[1]/div[2]"));
            //
            element.click();
            // input
            element = driver.findElement(By.xpath("//*[@id='tw-source-text-ta']"));
            // input
            element.sendKeys(str);
            //
            Thread.sleep(1000);
            // css selector.
            WebElement elementd =
driver.findElement(By.cssSelector("#tw-target-text > span"));

            System.out.println("elementd : " + elementd.getText());

```

```

        // element
        element.clear();
    }

    } catch (Throwable e)
    {
        e.printStackTrace();
    } finally
    {
        driver.close();

        // test
        System.exit(0);
    }

//
}

}

```

consol

```

elementd : 가
elementd : 3 3
elementd : , ,
\\
\\

```

CentOS

1. repo

```
vi /etc/yum.repos.d/google-chrome.repo
```

```

[google-chrome]
name=google-chrome
baseurl=http://dl.google.com/linux/chrome/rpm/stable/$basearch
enabled=1
gpgcheck=1
gpgkey=https://dl-ssl.google.com/linux/linux_signing_key.pub

```

2. yum install google-chrome-stable
3. google-chrome --version

Tip

Troubleshooting

Ref

, [java](#), [selenium](#)

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