

Selenium

- description :
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Selenium ?

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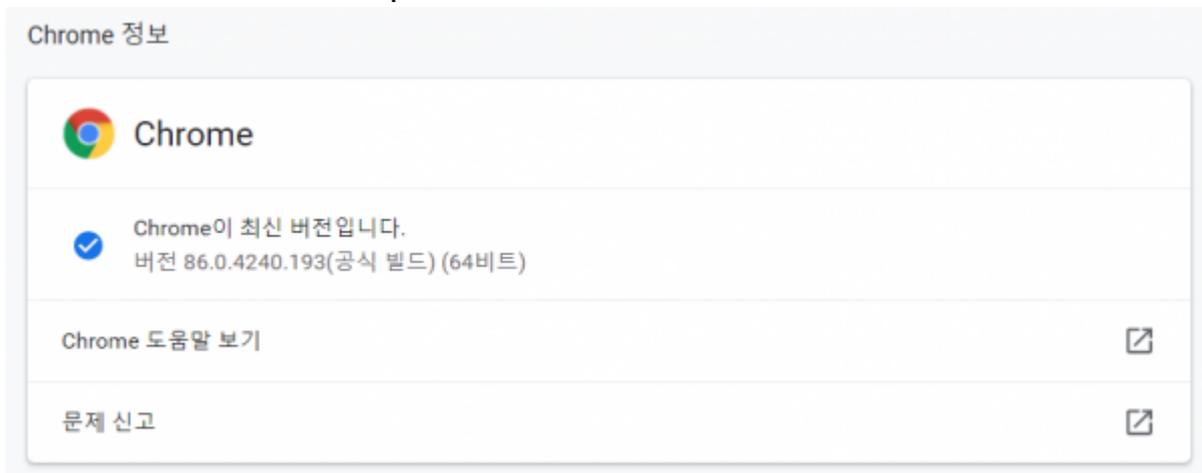
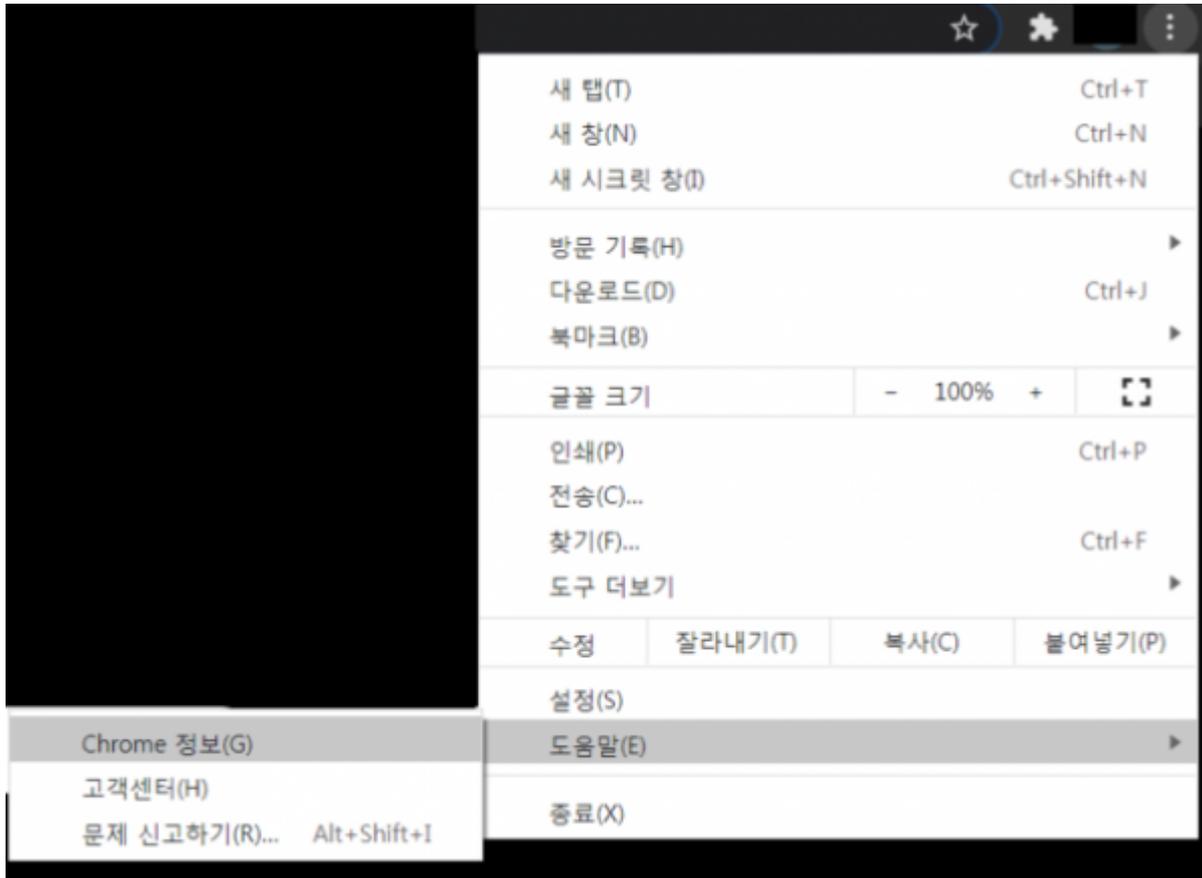
API

- 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 java code

```
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
{
    // driver -
    System.setProperty("webdriver.chrome.driver",
"D:\\eclipse_repository\\eGovFrameDev-3.9.0-64bit\\workspace\\parsingApi\\util\\chromedriver.exe");
    // Chrome
    driver = new ChromeDriver();
    //
// JavascriptExecutor js = (JavascriptExecutor) driver;

    // element
    //
// js.executeScript("arguments[0].click();", element);

    // 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 = driver.findElement(By.xpath("//*[@id='tw-source-text-ta']"));

    // test
    String[] s_array = new String[2];
    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";

    //
    for (String aa : s_array)
    {

        element.sendKeys(aa);

        //
        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

```

Tip

Troubleshooting

Ref

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

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