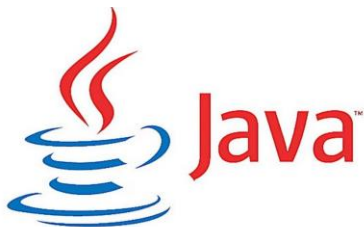


WebDriver base methods

Test automation basics with Selenium & Java



Let's start framework building



Create a test with TestNG framework

```
import org.testng.annotations.Test;

public class SearchTest {

    @Test
    public void openGoogleComInChromeTest() {

    }

}
```


Opening the page with WebDriver

```
import org.testng.annotations.Test;

import java.io.File;

public class SearchTest {

    @Test
    public void openGoogleComInChromeTest() {
        File file = new File("src/test/resources/chromedriver.exe");
        System.setProperty("webdriver.chrome.driver",
                           file.getAbsolutePath());

        WebDriver driver = new ChromeDriver();
        driver.navigate().to( "https://www.google.com/");
    }
}
```

WebDriver instance

1) Local testing

```
WebDriver driver = new ChromeDriver();
```

or

```
WebDriver driver = new InternetExplorerDriver();
```

or

```
WebDriver driver = new EdgeDriver();
```

...

2) Remote testing

```
WebDriver driver = new RemoteWebDriver(  
    remoteURL, desiredCapabilities);
```

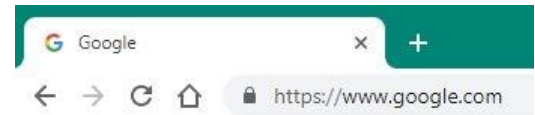
Open browser, go to URL

1) To open browser page with URL address use:

```
driver.navigate().to("https://www.google.com/");
```

or

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



2) Other methods of navigate()

back forward refresh

```
driver.navigate().  
  to(URL url) void  
  to("")  
  back() void  
  to(String url) void  
  forward() void  
  refresh() void
```

Close the browser

- 1) Close all browser windows opened under WebDriver

```
driver.quit();
```

- 2) Close current window is used by WebDriver

```
driver.close();
```


Open and close WebDriver

```
@Test
public void openGoogleOrgInChromeTest() {
    File file = new File("src/main/resources/chromedriver.exe");
    System.setProperty("webdriver.chrome.driver",
                       file.getAbsolutePath());
    WebDriver driver = new ChromeDriver();
    driver.navigate().to("https://www.google.com/");
    System.out.println(driver.getTitle());
    driver.quit();
}
```

Exercise

Create a new script with steps:

1. Open Edge browser
 - remember to set property in `System.setProperty()` correctly to fit browser you use: **`"webdriver.chrome.driver"`**
2. go to url <https://www.youtube.com>
3. reload the page by method `refresh()`
4. print page header
5. close the browser