

Selenium Commands for cookies

- driver.manage().getCookies(); // Return The List of all Cookies
- driver.manage().getCookieNamed(arg0); //Return specific cookie according to name
- driver.manage().addCookie(arg0); //Create and add the cookie
- driver.manage().deleteCookie(arg0); // Delete specific cookie
- driver.manage().deleteCookieNamed(arg0); // Delete specific cookie according Name
- driver.manage().deleteAllCookies(); // Delete all cookies

The screenshot shows the Eclipse IDE interface with a Java code editor. The code is as follows:

```
10 public class CookiesExample {
11     public static void main(String[] args) {
12         System.setProperty("webdriver.chrome.driver", "C://Drivers//chromedriver_win32/chromedriver.exe");
13         WebDriver driver=new ChromeDriver();
14
15         driver.get("https://www.amazon.in/");
16
17         Set <Cookie> cookies=driver.manage().getCookies(); // capture all the cookies from the browser
18
19         System.out.println("Size of cookies:" +cookies.size()); // print size of cookies
20
21
22         for(Cookie cookie:cookies) // read and print all teh cookies
23         {
24             cookie.get|
25         }
26     }
27 }
28 }
```

A code completion tooltip is open at line 25, showing methods for the `Cookie` class:

- `getClass(): Class<?> - Object`
- `getDomain(): String - Cookie`
- `getExpiry(): Date - Cookie`
- `getName(): String - Cookie`
- `getPath(): String - Cookie`
- `getValue(): String - Cookie`

The console output window shows the following log messages:

```
Only local connections
log4j:WARN No appenders could be found for logger (org.apache.http.client.protocol.RequestAddCookies).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Jan 13, 2018 4:01:50 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Size of cookies:6
```

For each loop ile name and valuu of the cookies will be written in the console

```

12
13     System.setProperty("webdriver.chrome.driver", "C://Drivers//chromedriver_win32/chromedriver.exe");
14     WebDriver driver=new ChromeDriver();
15
16     driver.get("https://www.amazon.in/");
17
18     Set <Cookie> cookies=driver.manage().getCookies(); // capture all the cookies from the browser
19
20     System.out.println("Size of cookies:" +cookies.size()); // print size of cookies
21
22     for(Cookie cookie:cookies) // read and print all teh cookies
23     {
24         System.out.println(cookie.getName()+"："+cookie.getValue()); // prints name and value of cookies
25     }
26
27

```

Results of running class BrowserProfileExample

```

terminated: CookiesExample [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Jan 13, 2018, 4:09:04 PM)
log4j:WARN No appenders could be found for logger (org.apache.http.client.protocol.RequestAddCookies).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Jan 13, 2018 4:09:08 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Size of cookies:6
x-wl-uid:10ajAuEfg7X6phJqZZxc6PkDRbiM4uAFzA7yyCCJ9grIRx6r2y+jG+H+Yy4ky7I0ILjGn0s545GY=
session-id-time:20827584011
session-token:phkx5A4tob01tjcP3HT8lwud4Pt7tqFD7zOrxvIfQIJfizQHZK0z5dwcrteUo+oh8X5W1H3ZRLyZhXEQeBRTF4Dc8AAJzzsBmMB
ubid-acbin:258-7916866-7570706
session-id:261-0048689-1834876
csm-hit:%7B%22tb%22%3A%22s-MBW8HTJNCVW37972NTGN%7C1515839949573%22%2C%22adb%22%3A%22adblk_no%22%7D

```

Consolda isim ve value degerlerini gordu , sonra for each loop u iptal edip belirli bir cookie ye browser ile isim ile ulasti

```

/*for(Cookie cookie:cookies) // read and print all teh cookies
{
    System.out.println(cookie.getName()+"："+cookie.getValue()); // prints name and value of cookies
}*/
```

```

//System.out.println(driver.manage().getCookieNamed("session-id-time")); //Prints specific cookie acc
26
27     System.out.println(driver.manage().getCookieNamed("session-id-time")); //Prints specific cookie accord
28 |
29
30
31
32

```

Results of running class BrowserProfileExample

```

terminated: CookiesExample [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Jan 13, 2018, 4:10:47 PM)
Starting ChromeDriver 2.33.506120 (e3e53437346286c0bc2d2dc9aa4915ba81d9023f) on port 2979
Only local connections are allowed.
log4j:WARN No appenders could be found for logger (org.apache.http.client.protocol.RequestAddCookies).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Jan 13, 2018 4:10:51 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Size of cookies:5
session-id-time=20827584011; expires=Tue, 01 Jan 2036 05:30:00 IST; path=/; domain=.amazon.in

```

Simdi browsera yeni bir cookie eklemek istedim ---add cookie to the browser (name,value degerleri kendisinde atadi)

```
29         //add new cookie to the browser
30         Cookie cobj=new Cookie("Mycookie1234","1234567890");
31         driver.manage().addCookie(cobj);
32
33     cookies=driver.manage().getCookies();
34
35     System.out.println("Size of cookies:" +cookies.size()); // print size of cookies
36
37     for(Cookie cookie:cookies) // read and print all teh cookies
38     {
39         System.out.println(cookie.getName()+":"+cookie.getValue()); // prints name and value of cookies
40     }
41
```

Jan 13, 2018 4:22:57 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Size of cookies:5
Size of cookies:8
visitCount:1
x-wl-uid:1ws4hIDbWk/KZ4WBaEPOVTpxuo4KAgb00jk3BsnPMtZVnd7ZFVRbZF+7qPo47qtg+B7hN9Uh8uE=
session-id-time:20827872011
Mycookie1234:1234567890
session-token:"05DBjjPnkeoQy6AtwuoczYLNwJ+rqI7Iu7q29rYrPBnhUQk+nPIIFXY393sPviXh3cbE5fq+58dVeY0hfswBSU58+vG8sYrKwBJ
ubid-acbin:259-2254141-7017161
session-id:257-8437977-2171666
csm-hit:%7B%22tb%22%3A%22s-HD7SB94FH0G5A21X979S%7C1515840778698%22%2C%22adb%22%3A%22adblk_no%22%7D

```
31         driver.manage().addCookie(cobj);
32
33     cookies=driver.manage().getCookies();
34
35     System.out.println("Size of cookies:" +cookies.size()); // print size of cookies
36
37     for(Cookie cookie:cookies) // read and print all teh cookies
38     {
39         System.out.println(cookie.getName()+":"+cookie.getValue()); // prints name and value of cookies
40     }
41
42     driver.quit();
43
44
45
46
47
48
```

Jan 13, 2018 4:22:57 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Size of cookies:5
Size of cookies:8
visitCount:1
x-wl-uid:1ws4hIDbWk/KZ4WBaEPOVTpxuo4KAgb00jk3BsnPMtZVnd7ZFVRbZF+7qPo47qtg+B7hN9Uh8uE=
session-id-time:20827872011
Mycookie1234:1234567890
session-token:"05DBjjPnkeoQy6AtwuoczYLNwJ+rqI7Iu7q29rYrPBnhUQk+nPIIFXY393sPviXh3cbE5fq+58dVeY0hfswBSU58+vG8sYrKwBJ
ubid-acbin:259-2254141-7017161
session-id:257-8437977-2171666

Sonra olusturmus oldugu custom cookie yi sildi -delete

```

//delete the cookie
driver.manage().deleteCookie(cobj);

cookies=driver.manage().getCookies();

System.out.println("Size of cookies:" +cookies.size()); // print size of cookies

for(Cookie cookie:cookies) // read and print all teh cookies
{
    System.out.println(cookie.getName()+"："+cookie.getValue()); // prints name and value of cookies
}

driver.quit();

```

```

SESSION-ID:time:20002/07/2011
Mycookie1234:1234567890
session-token:"YrTF9MBIeu+Q9Cz2WgA+h9XcX+N2ZiItC2NT/rTfGG2cq72dx5NSE8NIcCMyyZL022TXaFxL3Q802s/X2K8hNPojbu0cNnFIkHV
ubid-acbin:261-0089469-3515355
session-id:261-7988326-2705947
csm-hit:%7B%22tb%22%3A%22s-5428MXZZM84R01YJC40%7C1515840968133%22%2C%22adb%22%3A%22adblk_no%22%7D
Size of cookies:7
visitCount:1
x-wl-uid:18TanlYRu71spVcnf6fnxHv5gAYppxnDmj4YJ7Cg2mej8pAoB/k5ukYJqQQwq0qkcFVEIegoPTQk=
session-id-time:20827872011
session-token:"YrTF9MBIeu+Q9Cz2WgA+h9XcX+N2ZiItC2NT/rTfGG2cq72dx5NSE8NIcCMyyZL022TXaFxL3Q802s/X2K8hNPojbu0cNnFIkHV
ubid-acbin:261-0089469-3515355
session-id:261-7988326-2705947
csm-hit:%7B%22tb%22%3A%22s-5428MXZZM84R01YJC40%7C1515840968133%22%2C%22adb%22%3A%22adblk_no%22%7D

```

Sonra deleteAllCookies methodunu kullandı

```

for(Cookie cookie:cookies) // read and print all teh cookies
{
    System.out.println(cookie.getName()+"："+cookie.getValue()); // prints name and value of cookies
}

driver.manage().deleteAllCookies();

driver.quit();

```

Konsolda hicbir cookie kalmadi

```
53
54     driver.manage().deleteAllCookies();
55     cookies=driver.manage().getCookies();
56
57     System.out.println("Size of cookies:" +cookies.size());
58
59
60
61
62     driver.quit();
```

terminated: CookiesExample [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Jan 13, 2018, 4:28:20 PM)

session-id-time:20827584011
Mycookie1234:1234567890
session-token:"92tOXwejwi6JH3SIXEiTTeEydzkYsWcv4VchNLNV9Dwaxe2HhtxKOWMLdpBX3gPQw6rGihhi1Cu7KJvQJuocynrL6F4RKNjzUD
ubid-acbin:260-0217044-6368532
session-id:261-5381466-8753616
csm-hit:%7B%22tb%22%3A%22s-JVB8GTGCQX4BHY27CSMT%7C1515841106032%22%2C%22adb%22%3A%22adblk_no%22%7D
Size of cookies:7
visitCount:1
x-wl-uid:1HiAKyVolyHQ2ZJtzvXlnUiY/xf0RyeXvibRxb3d1di3pJiJuRnY9MUXQm3/g7ZNjQwizl8yHGUI=
session-id-time:20827584011
session-token:"92tOXwejwi6JH3SIXEiTTeEydzkYsWcv4VchNLNV9Dwaxe2HhtxKOWMLdpBX3gPQw6rGihhi1Cu7KJvQJuocynrL6F4RKNjzUD
ubid-acbin:260-0217044-6368532
session-id:261-5381466-8753616
csm-hit:%7B%22tb%22%3A%22s-JVB8GTGCQX4BHY27CSMT%7C1515841106032%22%2C%22adb%22%3A%22adblk_no%22%7D
Size of cookies:0

Handling cookies in WebDriver

- 1) capture all the cookies
 - 2) get the size of cookies
 - 3) printed cookies names and their values
 - 4) printed cookie based on name
 - 5) add cookie to the browser
-
- 6) delete specific cookie
 - 7) delete all the cookies