

Selenium WebDriver - Downloading Files

- The process of downloading files using Selenium is different in different browsers.
- Pre-requisite for understanding this session
- Lets follow the below steps for downloading the files using Selenium in Firefox, Chrome and IE browsers.
 - **Firefox Browser**
 - To download files in Firefox browser using Selenium, we need to set few preferences in the Firefox profile using Selenium during the execution of scripts.
 - Lets find out what happens when you don't set the preferences and try to download the files in Firefox Browser - Demonstrate [here](#)
 - App URL: <http://omayo.blogspot.com/p/page7.html>
 - Type 'about:config' in the Firefox browser and accept the risk, to view all the existing preferences of Firefox browser
 - "browser.download.folderList" preference which is by default set to 1, need to be set to 2 by the automation code
 - "browser.download.dir" preference which is not shown by default, need to be set to the path at which you want to download the file to.
 - We can create a folder in our project workspace and give the path of the folder
 - "browser.helperApps.neverAsk.saveToDisk" preference need to be set the desired mime types.
 - This will never display a download confirmation dialog for the specified mime type of file types, instead the files will be downloaded silently.
 - Mime types allow us to specify the files types for which this downloading preference is allowed.
 - View all the Mime types of files [here](#)
 - To achieve downloading files in Firefox browser using Selenium, we will be using 'FirefoxProfile' class in Selenium API and its predefined method 'setPreference()'
 - I have already explained how to set preferences in Firefox browser in one of the previous sessions.
 - If required, you can refer to Selenium & Browser Configurations - Firefox sessions
 - Using the same concept, I will demonstrate the below program which will allow us to download the files in Firefox Browser
 - Demonstrate a program which downloads 'ZIP' file from a web page in Firefox Browser and verifies that the appropriate file got downloaded - Demonstrate [here](#)
 - Manually delete the file that got downloaded
 - **Chrome Browser**
 - Manually delete the file that got downloaded in the previous section
 - Lets find out what happens when you don't set the preferences and try to download the files in Chrome Browser - Demonstrate [here](#)
 - App URL: <http://omayo.blogspot.com/p/page7.html>
 - In Chrome Browser, the download confirmation dialog wont be displayed and the file will be downloaded
 - But the file will be downloaded at the default location where it has to be downloaded
 - Demonstrate a program which downloads 'ZIP' file from a web page in Chrome Browser at a desired location and verifies that the appropriate file got downloaded - Demonstrate [here](#)
 - ChromeOptions needs to be used
 - "profile.default_content_settings.popups" preference needs to be set to 0
 - "download.default_directory" preference needs to be set to the Download path
 - Manually delete the file that got downloaded
 - **IE Browser**
 - Lets find out what happens when you don't set the preferences and try to download the files in IE Browser - Demonstrate [here](#)
 - App URL: <http://omayo.blogspot.com/p/page7.html>
 - In IE Browser, the download confirmation dialog will be displayed and the file won't get downloaded
 - Demonstrate a program which downloads 'ZIP' file from a web page in IE Browser and verifies that the appropriate file got downloaded - Demonstrate [here](#)

- Add the dependency tags for **commons-io** to pom.xml file from <https://mvnrepository.com/artifact/commons-io/commons-io/2.6>
 - As there is no dependency tags found for **apache-commons-httpclient** in mvnrepository, Create a folder say 'jars' and copy & configure the jar file (Download Jar file [here](#))
 - Add the code provided in the provided program - [Program code here](#)
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