

## Selenium WebDriver - Handling Web Tables (Static & Dynamic)

Follow the below steps for handling the Web Tables:

- Inspect any Web Table say the Table on <http://omayo.blogspot.com/> , inspect and explain the HTML code of it.
    - table tag - Represents the entire table
    - thead tag - Represents head section of the table
    - tbody tag - Represents body section of the table
    - tr tags - Represents a table row
    - th tags - Represents heading cell
    - td tags - Represents data cell
  - Example XPath's for representing various sections of the table:
    - Install "Try XPath" addon in Firefox Browser
      - Go to Firefox > Settings > Addons > Extensions > Search for Xpath
      - Install Try XPath addon from the suggested list
      - Execute the below XPath's in the addon to see what they are locating in the table
        - Complete table - `//table[@id='table1']`
        - Only head section of table - `//table[@id='table1']/thead`
        - Second cell in the head section of table - `//table[@id='table1']/thead/tr/th[2]`
        - Only body section of table - `//table[@id='table1']/tbody`
        - Second Row and Third Column Cell - `//table[@id='table1']/tbody/tr[2]/td[3]`
        - All the cells in the Second Row - `//table[@id='table1']/tbody/tr[2]/td`
        - All the rows in the table body - `//table[@id='table1']/tbody/tr`
        - All the column cells of 3rd Column in table body - `//table[@id='table1']/tbody/tr/td[3]`
  - Example CSS Selectors for representing various sections of the table:
    - Launch Chrome browser, inspect any element and Control+F to execute the following CSS Selectors
      - Complete table - `#table1`
      - Only head section of table - `#table1>thead`
      - Second cell in the head section of table - `#table1>thead>tr>th:nth-child(2)`
      - Only body section of table - `#table1>tbody`
      - Second Row and Third Column Cell - `#table1>tbody>tr:nth-child(2)>td:nth-child(3)`
      - Install devtools-highlighter addon in the Firefox browser, F12 dev options > Highlighter tab > Change type to CSS Selector and execute the below CSS Selector to highlight the element properly
        - All the cells in the Second Row - `#table1>tbody>tr:nth-child(2)>td`
        - All the rows in the table body - `#table1>tbody>tr`
        - All the column cell of 3rd Column in table body - `#table1>tbody>tr>td:nth-child(3)`
  - Demonstrate retrieving and printing all the headings in the table - [Demonstrate here](#)
  - Demonstrate retrieving and printing all the table data - [Demonstrate here](#)
  - Demonstrate retrieving and printing all the rows in a table - [Demonstrate here](#)
  - Demonstrate printing all the values in the table rows in a different way - [Demonstrate here](#)
  - Demonstrate printing all the values in a table column say Name Column - [Demonstrate here](#)
  - Demonstrate printing all the values in a table row say Second row - [Demonstrate here](#)
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