SELENIUM

To install => pip install selenium

Downloading webdriver:

* open official site selenium : [http://www.seleniumhq.org/ (google.com)](https://sites.google.com/site/httpwwwseleniumhqorg/)
* goto downloads
* then click on browsers
* select the browser documentation
* then download according to your browser version and configuratons

Instead of downloading webdriver manually we can install a package webdriver-manager by using command **pip install webdriver-manager**

This web driver manager will manage all browser exe files.

**How to create testdata:**

We can create test data using python package called Faker. We can install by using

**Pip install Faker**

**Web Elements:**

Web elements are those which we perform manually while manual testing like enter data into search box, clicking search button etc. but using selenium we can automate this work by finding web elements with different techniques. There a 8 different element locating strategies:

* *find\_element\_by\_id*
* *find\_element\_by\_name*
* *find\_element\_by\_xpath*
* *find\_element\_by\_link\_text*
* *find\_element\_by\_partial\_link\_text*
* *find\_element\_by\_tag\_name*
* *find\_element\_by\_class\_name*
* *find\_element\_by\_css\_selector*

**Selectors HUB:**

Selector hub is a xpath and css selector tool extension need to add to our browser and pin it to use easily.