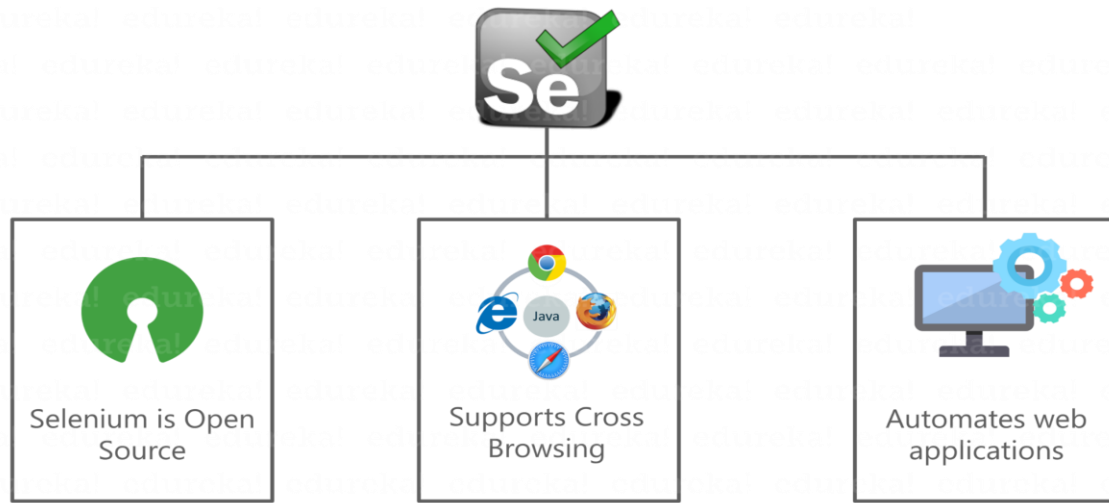


# SELENIUM

## What is Selenium?

- Selenium is a powerful tool for controlling web browsers through programs and performing browser automation.
- It is functional for all browsers, works on all major OS and its scripts are written in various languages i.e. Python, Java, C#,etc,




Support Cross Browsing: Can work on Chrome, Mozilla fire fox,edge etc.

And is automates web application.

# SELENIUM COMPATIBILITY

Languages	Platforms	Browsers
Java C# PHP Ruby Perl Python JavaScript Objective-C Haskell R	Windows Linux Mac Android (with Selendroid, Appium, or Robotium) iOS (with ios-driver or Appium)	Google Chrome Internet Explorer Firefox Safari Opera Microsoft Edge HtmlUnitDriver



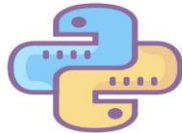
altexsoft  
software r&d engineering

## ADVANTAGES OF SELENIUM



Selenium can easily send standard commands of python to various browsers irrespective of all variations in the design of the browser.

# Py Selenium



## Why Choose Selenium?

- Open Source and Portable
- Combination of tools and DSL(Domain Specific Language)
- Easier to understand and implement
- Less burden and stress for testers

## Installation Of Selenium:

Step 1 : go to command prompt

Type -> pip install 4.0.0.b4

```
C:\Users\hp>pip install selenium==4.0.0.b4
Defaulting to user installation because normal site-packages is not writeable
Collecting selenium==4.0.0.b4
  Downloading selenium-4.0.0.b4-py3-none-any.whl.metadata (6.5 kB)
Collecting urllib3~=1.26 (from urllib3[secure]~=1.26->selenium==4.0.0.b4)
  Downloading urllib3-1.26.19-py2.py3-none-any.whl.metadata (49 kB)
----- 49.3/49.3 kB 56.8 kB/s eta 0:00:00
Collecting trio~=0.17 (from selenium==4.0.0.b4)
  Downloading trio-0.26.0-py3-none-any.whl.metadata (8.8 kB)
Collecting trio-websocket~=0.9 (from selenium==4.0.0.b4)
  Downloading trio_websocket-0.11.1-py3-none-any.whl.metadata (4.7 kB)
Collecting attrs>=23.2.0 (from trio~=0.17->selenium==4.0.0.b4)
  Using cached attrs-23.2.0-py3-none-any.whl.metadata (9.5 kB)
Collecting sortedcontainers (from trio~=0.17->selenium==4.0.0.b4)
  Downloading sortedcontainers-2.4.0-py2.py3-none-any.whl.metadata (10 kB)
Requirement already satisfied: idna in c:\users\hp\appdata\roaming\python\python312\site-packages (from trio~=0.17->selenium==4.0.0.b4) (3.7)
Collecting outcome (from trio~=0.17->selenium==4.0.0.b4)
  Downloading outcome-1.3.0.post0-py2.py3-none-any.whl.metadata (2.6 kB)
Collecting sniffio>=1.3.0 (from trio~=0.17->selenium==4.0.0.b4)
  Using cached sniffio-1.3.1-py3-none-any.whl.metadata (3.9 kB)
Collecting cffi>=1.14 (from trio~=0.17->selenium==4.0.0.b4)
  Using cached cffi-1.16.0-cp312-cp312-win_amd64.whl.metadata (1.5 kB)
Collecting wsproto>=0.14 (from trio-websocket~=0.9->selenium==4.0.0.b4)
  Downloading wsproto-1.2.0-py3-none-any.whl.metadata (5.6 kB)
Collecting pyOpenSSL>=0.14 (from urllib3[secure]~=1.26->selenium==4.0.0.b4)
  Downloading pyOpenSSL-24.1.0-py3-none-any.whl.metadata (12 kB)
Collecting cryptography>=1.3.4 (from urllib3[secure]~=1.26->selenium==4.0.0.b4)
  Downloading cryptography-42.0.8-cp39-abi3-win_amd64.whl.metadata (5.4 kB)
```