Daily Questrons 4 I what is solonium? Schenium is one of the most widely used Open source web ut (user Interface) automation. testing suite. Doveloped by Jason Huggins in 2004. selenium supports automation across different browsors, platforms and programming L It supports all OS web based Autompted Testing nutiple 05 Sourio Solenium multiple multiple Framo mentiple words Browsers programming Languages

components of Sclenium

Solenium IDE Solenium RC Solenium Webbrivez. Solenium GRID

Stenium Webdriver

It Is a cotlection of open source APIs which are used to automate the testing of a web application.

pelenium ubb Driver tool is uped to customere web application resting to british that it works as expected. It supports Many browsors. Duch as Firebox, chrome, TE, and Safari.

How to communicate Selenium invovaer with browson

To communicate between Servey and Client (browser) Delenium web driver wers JSON, JSON wire prototol is a REST API that transfers the information between HTTP servers Each Browser Driver has it own HTTP servers.

Belenium Strüpt Creater an HTTP Requests
for each Selenium Command and Donds it to
The browser driver.

An Homp request is then sent to the server using Browser Driver.

The steps are executed on the HTTP

The exception Status is sent to the HITTP Server which is then captured by the automation script.

By CSS Clars name: Find_element_by_id

By CSS clars name: Find_element_by_class_name

By name attribute: Find_element_by_name

By POM otreucture or spath: Find_element_by_spath

By LinkText: Find element_by_link_text

By partial linktext: Find_element_by_link_text

By Partial linktext: Find_element_by_link_text

By HIML tagname: Find_element_by_tagname

4] why ID is preforable than xpark? because ID is considered as unique key so there connot be more than I elements for same ID while xpath us breated using relative path/postion of Plements · we can got 2 more elements for Samo X path. 5 How to solver Value in Droplown Solect Bylalue (" ") This method used to to select Value in Drop Down: Loption Value 2" ">Text 2/01/20 1/3eloct> 6] Absolute path Relative path It contains the This is morter like complete path from the Root element to the Starting Dimply by designo element. Trafrencing the element It is start with the the pour water on. It, is Italive sports Start

one drawback with It is mainly the absolute sepath used By automation is that if there is any change in attributes Since been if an beginning from the root to Clement 18 removed or added in the DOM. the element. out absorber The relative xpath is spath will become invalid not impacted. It is short It is Longthy and difficult to maintain (html/body/tagrand...) (// @attribute=16de I how to Verify If the medical is chedied or not in selenium. we can used is Selected () method. it is notwin a boolean Value of true 9 driver. FindElement (By. rpath (")). didd); bortean relected = driver. findelement (*xpain)). is Selected (); i.f (selected = true) 2 syso (" The checkbox is selected"); !

do se partern / min.

System. 20t property System. Det proporty ("web webDriver Manager. Chromedriver C) setupo. driver . chromedriver,", "G: 11 chromadrivez . esce") but this is actually This is you need to download driver docunload the chrome you can just add the driver exe file webdriver manager each time to downlood dependency. In your the this file. Mauel project (pom : xm) of Syntax, for preceding Ancestor following Eleder cousin -- younger cousin [Hagname [@Attribute = Affribute Value"]/ Following : lourin Floor cousin xpath / following: younger cousin younger-to - Elder younger coupin xpath / precoding ::

WebDriver Manager

eleder cow

get Attrabute () method is helps to get the Value of any attrabute of a web element. Which is returned as a string.