## Daily Question = 5 Just is selenium?

Selenium is one of the most widely used open source wer UI (user Inverface) automation testing suite.

Developed by Jason Huggins in 2004.

Seleniam Supports automation aeross different browsers, planforms and programming

open Source Source of Multiple of

publishe) & Selenium

frame

nultible numma programming Languages. multiple Browsers

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Componets Of selenium:

Selenium EC Selenium Webdriver Selenium GRID

Selenium GRID

## selenium webdriver:

It is a collection of open source APIC which are used to automate the Testing Of a Web application.

Selenium web Driver (001 is veed) to outonable use b application region to venty that it works, as expected It Supports Many. Browser. Such as frebox, Chrome, JE and Safari.

HOW to communicate selenium interact with pronter (Sin) by

10 Communicate between Server and chent (browser) selenium web Oliver Uses Tson, I son wire protocol is a REST API Charter Transpors The information between HTTP D gervors Each Browser Driver has Flown, UTT.P Source. The same million of

gelenium Script creates an HTPP Reavest for each Selenium Command and send it to the browser alover. An HTTP request is the sent to.
The server Dsing Browsen Driver. executed on the HTTP The Step are in the second of The execution Status is sent to the MTTP Sorver Which is then captured SCHOOL. autoriation Sc. 37 Locators in selenium By CSS ID! Find - clement - by - I'd By CSS Clarsname: find-element-by-clarmane By haine alter bute: findelement - by - name By DOM structure or xpath : find element by xpath By Imle Texts: find Pleneut-by-1m12 - Freat-

By Partral linle root - Find-elements-by-Particial - Link - beach

By FIML bagname Find-Clement-by-tagnam

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4) Whey ID is preserable than xpath? Lecause ID is considered as Unique key so there cannot be more Chan I clement for Same ID while xpa is created using relative partilposition Of element we can get 2 More Iden for same xpath. 5] How to select Value in Drop Down? select-13y-value (" ") This method used to select Value in DropDown C geleeles 2 option value " " text 21 options 4 selects Relative path sobsolute path It contains the complete This is more here path from the Root / Starting Smithy by element to the desire refrencing the Devel you want and go Clements. from the particular Il- is Start with the Location . Jim 15 It is rolative xpath 1 sounds 1

Start 11 Symbol

one drawback with

the absolute x path

the absolute x path

to there is

any Change in

alteributes beginning

from the root to

she blement. Our

absolute x path

will become invalid

At autometrion since Ar autometrion since Even of an element Even or added is removed the relative in the DOM. The relative XPath is not in paretell.

THOW to verify if the Cheek box is in selarium:-

me can Dsed is solented ()
Method It is return bootean value)
of true

Driver find element CBy. x partie "")). Chickey

boolean celected c deriver find element ("xpartie)

foolean celected c deriver find element ("xpartie)

if (selected = = True)

Syso ("Te check box is selected")

Courses Kishing Courses To College To Colleg

Harry Altockinorp and System. set property System. Set property ("web webdriver monger chronodi Os. Serupis Chover Cheromedower", "Co:11 Chromedriner. oxe"); But this is Occhially This is you need to download De Chrone driver-exe file download drives you each time to download Can Fust oidd the the this file. wellochiver wonger devendency. In your Maral Project Com. Knip a) Syntan for preceding & bincestror: younger court. Flider Cousin --Elder cousin 39x. (23) [1 Tagname [@ Abtibute = "Attribute value"]) following: Younger Tagnance Elder Cousin xpath (following: yourser Louin younger-to-Flder;-Gounger Cousin xperth proceeding: eleder cousin bagnance

get Attribute () Method is help

get Attribute () Method is help

to get the value of any alteribute

to a web element, which is returned

of a web element.