- 1. What is Selenium? What are different Selenium Components? Explain about Selenium Webdriner Belenium is an open source umbrella project for a range of tools and libraries aimed at supporting web browser automation. There are four components of Selenium They are Selenium IDE, RC, WebDriver and GRAP Selenium Webdriver is a platform independent since the same code can be used on different Operating systems.
- 2. Hor does Selenium communicate with the web browsers?

Data Communication - To communicate between server and client selenium driver uses JASON. JASON wire protocol is a REST API that transfer information between HTTD Servers.

3. What are the locators available to find a statement using selenium.

By CSS ID: find-element-by-id

By CSS Class name: find-element-by-class-name

By name attribute: find-element-by-name

By Dorn Structure or Xpath: Sind-element-by-xpan

By link text: find-element-by-link-text.

4. Why ID is preferable than X Path? ID is considered as unique so there cannot be more than I elements for same JD while x path is oreated using relative path/ position of elements so there can be cased When we get more elements for same xpath 5. How to Select value in dropdown; Using the value property: The value of the Selected element can be found by using the value property on the selected elemen that defines the list. This property returns a string representing the value attribute of the Koption 7 element in the list between Absolute Path 6. What is difference and Relative Path? Relative Path. It points to a specific location in It porms to the location of a location of a location wing dictions using dictions using of the current working dicrectory current as refuse Absolute Path It is also referred to as non absolute It is also referred to as full path or file path. If refers to the like tocation of a file It refers to the location of a file or directory relative to 100+ directory in Linux or directiony relative to current directory

9. Write a syntax for preceding and following X paths

XPath: Minput Zaid = 10-0-27/1 Preceding: input.

10. How to get an attribute value using

Selenium Webdriver:

The get Attribute () method helps toget the value of any attribute of a web element which is returned as a String. If an attribute has Boolean Value the method seturns either True or Null.