**How to make use of JavaScript in Selenium**

* Execute\_script function
* Some of the common tasks through Javascript

**execute\_script**

* This function helps to execute javascript
* Normally used when selenium functions do not work.
* Few things which we cannot achieve through pure selenium library such as page scroll, highlight a web element, show alert etc.

**Some of the common tasks through Javascript**

* Click on web element

submit\_button= driver.find\_element(By.ID,"submit")  
driver.execute\_script("arguments[0].click()",submit\_button)

* Enter value to TextField web element

first\_name= driver.find\_element(By.ID,"firstName")  
driver.execute\_script("arguments[0].value='Sree'",first\_name)

* Clear the value from TextField web element

first\_name= driver.find\_element(By.ID,"firstName")  
driver.execute\_script("arguments[0].value=''",first\_name)

* Get value from TextField web element

dob= driver.find\_element(By.ID,"dateOfBirthInput")  
print("DOB:", driver.execute\_script("return arguments[0].value",dob))

* Get value from other web elements

gender= driver.find\_element(By.CSS\_SELECTOR,"#genterWrapper>div:nth-child(1)")  
print("gender:", driver.execute\_script("return arguments[0].innerText", gender))

* Page scroll till a web element

subject = driver.find\_element(By.ID,"subjectsContainer")  
driver.execute\_script("arguments[0].scrollIntoView()",subject)

* Enable / Disable web element

driver.execute\_script("arguments[0].disabled=false",first\_name)  
time.sleep(5)  
driver.execute\_script("arguments[0].disabled=true", first\_name)

* Get attribute value of web element

placeholder=driver.execute\_script("return arguments[0].getAttribute('placeholder')",first\_name)  
print("PlaceHolder: ",placeholder)

* Set attribute value of web element

driver.execute\_script("arguments[0].setAttribute('label','name')", first\_name)

* Highlight a web element using html style properties

driver.execute\_script("arguments[0].style.borderColor='red'",first\_name)

* To show alert message on the page

driver.execute\_script("alert('welcome to the world of JS')")

* Get page Title

title = driver.execute\_script("return document.title")  
print("Page Title: ",title)

* Get current URL of the page

url= driver.execute\_script("return document.URL")  
print("URL: ",url)

* Open a web page

driver.execute\_script("window.open('http://www.google.com')")

* To check Radio button/ Checkbox is selected or not

male = driver.find\_element(By.ID, "gender-radio-1")  
status = driver.execute\_script("return arguments[0].checked", male)  
print("Radio button status: ", status)