

JavaScript Executor :

JavaScriptExecutor is an Interface

It will allow us to execute JavaScript methods through Selenium webdriver

In some places selenium can't be work at that time we use JavaScript to interact that Webelement.

Syntax :

```
JavaScriptExecutor js= (JavaScriptExecutor) driver;  
js.executeScript("window.scrollTo(0,range)","")  
js.executeScript("arguments[0].scrollIntoView(true);", WebElementName)  
js.executeScript("arguments[0].click();", WebElementName);
```

eg :

js.executeScript("window.scrollTo(0, 1000);")---> Scroll down

js.executeScript("window.scrollTo(0, -3000);") ----> Scroll up

js.executeScript("arguments[0].click();", webelementname) ---> click



In case, the locators do not work,

- We can use it to perform a desired operation on a web element.

If Selenium Web driver fails to click on any element due to some issue,

- We can use it

► It is an Interface :

- helps to execute JavaScript through Selenium Web driver.

► JavaScript Executor provides 2 methods

- "executescript" & "executeAsyncScript."

```
JavascriptExecutor js = (JavascriptExecutor) driver;  
js.executeScript("arguments[0].scrollIntoView();", element);
```

```
//sendkeys  
js.executeScript("document.getElementById('Email').setAttribute('value', 'Greenstech@gmail.com')");  
  
//sendkeys  
js.executeScript("document.getElementById('Email').value='SoftwareTestingMaterial.com'");  
  
//click  
js.executeScript("arguments[0].click();", element);  
  
//to check checkbox  
js.executeScript("document.getElementById('terms_checkbox').checked=true;");  
  
//multiple arguments  
js.executeScript("arguments[0].setAttribute('style', arguments[1])", file, "0");
```

Amazon Task: Action, Robot, JavaScript Executor, Screenshot

Mini Project: <https://adactinhotelapp.com/>