

### 13. How to highlight an element?

- Selenium WebDriver doesn't have highlight action.
- But we can use JavaScript to do it

```
JavaScriptExecutor js = ((JavaScriptExecutor) driver);
String bgcolor = element.getCssValue("backgroundColor");
for(int i=0; i< 10; i++){
    changeColor("rgb(0,200,0)",
    element, driver); //1
    changeColor(bgcolor,
    element, driver); //2
}
```

### 14. What is Xpath?

- Xpath is used to find the location of any element on a webpage using html structure.
- We could navigate through elements and attributes in an XML document to locate web Elements such as textbox.
- button, checkbox, Image ext... in web Page

### 15. Absolute (/) and Relative (//) Xpath?

- Syntax → //tagname[@attribute='value']
- Absolute xpath starts with single slash (/), starting from root element and all the way to the element.
- Relative xpath starts with double slash (//), starting selection matching anywhere in the document.

### 16. How do you handle dynamic elements?

- Find the static part of the id and write a locator(xpath or css) → And then use Startswith, contains, EndsWith
- contains() → //\*[contains(@name='btn')]
- startwith() → //label[startwith(@id, 'message')]
- text() → //td[text()='usedId']
- or & and → //input[@type='submit' AND @name='login']

### 17. How to test dynamic web page?

- There is no one size fits all solution to this problem. We have to understand the application very well
  - Use explicit waits where necessary.
  - Use custom xpaths and css locators
    - Xpath: contains, starts with, ends with, contains text.
    - By finding the element in relation to another stable element using parent, child, sibling relationships

### 18. How to test dynamic table?

- Use custom xpaths and css locators
  - Xpath: contains, starts with, ends with, contains text.
  - By finding the element in relation to another stable element using parent, child, sibling relationships
- I have utility methods that work with table. I have method that takes a table webelement and returns all the column names. I have a method that takes a table, number and returns all the data in that row.

### 19. How can we move to parent element using xpath?

- Using (..) expression in xpath, we can move to parent element

### 20. Difference between close() and quit() command?

- driver.close() → used to close the current browser
- driver.quit() → used to close all the browser instances