**Which 3 locators exist in every HTML or WEB element**

XPATH

Selector

TAGNAME

**How to implement implicit wait**

1. After 1s time from page load, Page is not loaded from scratch when asynchronous calls are made to generate the request and get the response so in this case finding element, we impose implicit wait on element
2. **driver.manage().timeouts.implicitlyWait(10L,TimeUnit.SECONDS);**
3. Here time, means wait for maximum 10 seconds, if element is not presented beyond 10 seconds then it will flash timeout error.
4. It only works with presence of elements
5. It is tied up with driver, and applicable where driver.findElement() method is executed.
6. Isdisplayed Function

a) checks visibility on page on UI, but false for hidden elements (not visible on page)

b) if no element (specify wrong id or invalid xpath), then error. (driver.findelement)

**What are the various way to open web page.**

1. -first way is = driver.get(specify url)
2. -second way is = driver.navigate().to(specify url)
3. -the difference in between two is, that **navigate() method gives us features like back, forward, refresh which are not available in get method.**

**Deal with drop down**

1) **when drop down contains english text and english values.**

*driver.findElement(By.xpath()).sendKeys(<text>);*

2) **when drop down contains information in multi-langual format**

*WebElement dd = driver.findElement(By.xpath());*

*Select s = new Select(dd);*

*s.selectByVisibleText("<text>"); // or // s.selectByValue("<value>");*

3) **select all values from drop down**

*use method "getOptions" belongs to "Select" class or find the elements by using locator "tagname" and pass argument as "option"*

4) **select particular set of drop down, mean to say belongs to particular block**

*examine the drop down and get xpath by just tweak at last, by doing so u will get block.*

**for each loop**

*for(WebElement link: links)*

*{*

*link.getText(); //around sopl statement*

*}*