Methods and classes and their uses. CTRL+Space

1.System.setProperty("key:webdriver.chrome.driver", "value :location.exe")

2.WebDriver d=New ChromeDriver();

-webdriver is the class of selenium to handle automation operation

-new Chromedriver() is the constructor of chrome class

3.driver.get();

-to launch the url

4.driver.findElement(By.locators(" "));

- to find the elements

5. to manage the browser window operations

-Dimension f=new Dimensions();

-Point p=new point();

-driver.manage().window().etc

6. driver.navigate().all the browser options methods are present

e.g driver.navigate().refresh(); etc

7. mouse Interactions with the page

-Action a=new Actions(driver) // action class will take control and pass to driver 'd'

-a.interaction\_methods.build().perform();

8. Keyboard in interactions

-Robot r=new Robot( argument not req bcoz java method);

r.methods

e.g: r.keypress(keyEvent. methods) and "keyrelease" is mandate.

9.Select s=new Select(""web element should be passed to take action");

s.selectByindex()

s.selectByvalue()

s.selectByvisibleText()

- for the static dropdowns.

10.sendkeys(keyEvent. \_keyboard methods)

-to send keyboard controls to page.

11. WebdriverWait wait=new WebdriverWait();

wait.until(ExpectedConditions.elementstobeClickable(webelement))

- explicit wait .

13. javascriptExecutor j=(javascriptexecutor) j

j.executescript("window.scrollby(key, vaue)")

-java script executor

14 Takesscreenshot t=(Takescreenshot) driver ;

File scr=t.getscreenshot(Output.file);

File des=new file("location")

Fileutils.copyFile(src,dest)

15.driver.manage().window().implicitlywait(sec, TimeUnit.milli)

16. Alert a=new Alert()

a.

17.driver.switchto.iframe.

18.maximise window

driver.manage().window().maximise()

18a. driver.manage().deleteAllCookies();

19. to read from concole

reporter.log(ref variable, true)

20 To read from excel

File f=new File(path);

Fileinputstream fis=new Fileinputstream(file);

Workbook w=workbookfactory.create(fis);

Sheet s=w.getsheet(sheetname);

Row r=s.getrow(arg);

Cell c=r.getcell(arg); //common

string a=c.getcell value.

21. towrite to excel

after common

cell c=r.getcell(0) // r.creatcell() if cell not exist

c.setcellvalue(" arg")

Fileoutputstream fos=new Fileoutstream(file);

wb.write(fos);

22. Assertion

assertion is imp to pass or fail the suite

12.Assert.asset\_methods()

- for validation of expected and actual result.

req: testng package called assertion

Assert.asserttrue("expect true conditions")

Assert.assertfail("expect false condition")

23.webelement status.

to check on the webelement status

isenabled() isdisabled() isselected()

e.g driver.....by.id("xyz").isenabled() //this ret whether the webelement is enable or not

24. getattribute()

this getattribute() returns the value of the sttribute

e.g; <id= div1 style ="value of page 1 " />

by.id("div1").getattribute("style") //returns "value of page 1"

25. handling brower alerts

driver.switchTo().alert().accept() /diver.switchTo().alert().dismiss()