selenium : 92) What is right with a 10) How to handle everts in selenium (911) How To handle dropdrowns in selen Auent wait: It is a type of wait in PJ) DIFFT Bern implicit & explicit wait -9 In order to accept or dismiss an elert Using select does box the alert class is used . This requires select countries Drop Down = new select (driver which we can also specify polling interval Implicit wait: It is a type of wait intervals after which driver will by to which waits for a specified time while first switching to the abort box and than find Element (By.id ("countries "))); find the element) along with the maximum ming accept () or dismiss () command locating an element before. Hnowing Nodropdown select By visible Toxt ("India"); timeout value as the case may be such Element Exception. By default relenium Mor wing index of the option starting from Alert alert = driver. switchTo(), alert (); dropdown, select By Index (1); Il or wing Walt walt = new AventWait(driver) thies to find dements immediately when with Timeout (20, SECONDS) 11 To accept the abort abort accept (1; required without any wait, so it is Value attribute polling Every (5, SECONDS) good to use implicit wait This wait Alert alert = driver. SwitchTo(). alert (); dropdown. select By Volue ("Ind"); 1/70 cancel the evert box evert dismess (1913) How to soroll down a page wing. is applied to all the elements of the ignoring (NoSuchElementException.class); Webstement textBox = wait until (new furchory 1212) How do you drag and drop in selent current driver instance Javascript in Selenium driver. manager). timeouts (). implicitely -> by using window-scrouby() function, eg. -> Using Action class public webElement apply (webbniver driver) wait (53 Timevoit . SECONDS); ((JavascriptErecutor) driver) - execute scriptl(Action act = new Actions (driver); { return driver- find Element (By. id ("textBx Id")); act-dragand Drop (source Element, target "wirdow. sorollBy (0,500)"); Explicit wait: It is a type of wait which is applied to a particular web element 33); Element) · build () · perform (); (19) How to handle I frames? until the expected condition specified 194) Diffor findelement and findelements () 914) How to handle frames? List < Webdement > FrameList = driver. Find is met findelement(): It returns only one web ele Webdriver_wait wait = new WebDriver Wai driver, switch To () - frame ("class frame"); Elements (By.xpath ("11 iframe")); It will find the first matching element. S.O.P (driver. FindElement (By. LinkText ("Tree") Int numofframes = framelist. size (); (driver, 10); Web Berneut element = wait . until (Expected It will show Masuch Flement exception. getText(1); 6-0.p ("No of frames: "+ numofformel); Conditions elements To Bediated (By.id (" driver. Find Hemout (By . Link Text ("Tree")) - dick() Findelements (7:TI returns list of webelem So.p. (driver. switch to (). frame(3).getTiHe()); elementid'))); It will find all the matching elements driver.switchTo().defaultContent(); 917) How to Assert? It will not show any exception returns Q3)DIFF get Window Handle & get Window Handle empty List 9 16) How to handle scroll Borrs? 917) How to capture someonshot? getwindowHandle(1: It is used to get the We can use selenium webdriver . Takesuren Javasoriph Executor jex = (javasoript frecutor) 95) DIFF - driver, get() & driver, navigate() address of the current browser where the shot method to capture screenshat. Java elrivor.get (): This method generally used for control is and return type is string 15x.executesoript ("window-scrollby (0,400)) class Fite will be used to store screenshot open URL. It will wait till the whole pages getwindowHandes(): It is used to get the in your systems local drive " ") Il scrall down gets roaded address of all the open browser and its file suchie = (Take screenshot) driver) · get Thread. sleep (3000); driver.navigate(): This method is generally neturn type is Thomstor < string> used for navigate to URL, navigate back,) sx. executes oxipt ("window. somully (4500,0) Fileubis. copyfile (socfile, new file ("ENSHE") screenshot As (output ype. FILE); QEDIFF-getAttribute() and getText() navigate forward, refresh the page. " ") Il scroll up putoryan 11 Webdriver auton 11 coreenshots 11 Rooked getAthibute(): This method is useful to read QF) Diffn / and 11 Q18) How to handle Links? demonts attribute value like id, name type, Details. png") 1 Single Slash (1): Start execution selection from driver. find Element (By.xpath("11a[text()= getText(): This method is used to need exit 019) What is action dass in WebDriver the document node (Acot path). It allows 'SJGH-ON']')) ·dtck (); Action dass is wed to control the from element or alers you to create 'absolute' path expressions. driver. find Gement ("By partial Linktext ("REG")). actions of dess mouse QS) Diff"-Absolute apath & Relative apath. Double slash (11): Start selection anywhere Method name of action does to build up Absolute xpath: is the full path starting from in the document (current path). It enables triver. Find Dement (" By. Linktext ("Home")). dicto actions chain is "build ()" perform () not node and ends with desired dependent to oneate 'relative' path expressions Q20) Commonly used Test NG annotations elements nodes. It will short using single Web Element User Name = driver. Find Elements 28) Diff Ber close and quit command @Test (By. name ("User Name")); honoord slash driver dose () ; Used to dose the current \$27) Common assertions @BeforeMethod Actions builder = new Actions (drivers): Relative xpath: Instead of Starting from browser having provided by testing @ After Method (222) How can we set priority of test root node, Aelative xpath starts from focus driver quitc1: used to dose all the assert Equals @ Before Dass fales in Testing ? 422) anywhere in both nucle or current elements browser instances assert Not Equals Pattordass - Using priority parameter in @Testannotation node (last node of element). It will standay) DIFP-xpath and css selector. @ Refore Test assent false In Testifique can define priority of testcases using abubble forward stash (11) Using xpaths we can traverse up in the doc **DAFter Test** assert True 1 Test prioring=1) it we can move to parent dement. @Before suite assert Notnul using css selectur we can only move down . @After swite Fail

QBO) Explain Page Object Model of

(53) what is taking (271) HIGHOOR Supporter MOLE ANTER TestNG (NG for Next Generation) is a testing framework that can be integrated with selenium or any other automation tool to provide multiple capabilities button It closes the alert. like assertions, reporting, parallel test 3) getText: In order to capture text content

Advantages -4) Sendkeys: We can enfor the text content 1) It provides diffin assertions that helps in Q25) Methods supported by driver object checking the expected of actual results 2) provides parallel execution of test methods 1) get (): This method opens the specified 3) We can define dependancy of one test URL in the current browser window.

method over other in TestNG 4) Assign priority to test methods in selent. (2) getournentury (3): This method is used OALLOWS grouping of test methods into

test groups. Q26) List out the methods supported by the Webelement Object

1) dick () 6) is Enabled () 2) Sendkeys () 7) getlocation()

3) Submit() 5) dearc)

execution etc

4) is Displayed () 9) getText()

5) is selected () 10) get Attribute () 927) List out the methods supported by

the action dass object -> Action class is an ability provided by Delevium for handling keyboard and mouse events.

Methods under keyboard action dass ? 1) send keys () - used to send series of reyl (7) findelements ()

2) keydown()-pertorm keypress without

3) key up () - perform key release

Methods under MouseActions: 1) Clicke)

2) double dick()-perform double dick on ele 3) NoOuthframe

3) dickand hold () - Long click on mouse

4) Dragand drop()-Drag from one point solve to another

6) Element Not visible 5) move to Herneut () - shifts the manepointer to center of ele

6) context aids () - perform right alles on

on ok button which is available on alert 2) Dismiss: It won't dick on the cancel

driver, get ("www.google.com");

driver. getcurrenturi ();

current waded web page.

2) get current URL() 10) getsize()

driver get page source ();

driver. get HHE();

1) get()

4) getText()

5) getTagName()

B) getaltribute ()

2) NosuchWindow

4) NOAIETIPTESEUT

5) Trivalid Selector

1) Nosuch Element Exception

to get string URL of the arment web

page loaded in the opened browsen

to get the page source code of the

4) get title (): This method is used to

get the title of the current web page.

List - Types of methods in driver object

3) getpagesource() 11)getwindowHardle()

13) close ()

14) quitc)

15) manage ()

9) get css value ()

12) getwindow Handles()

(029) Describe How to execute Towascript 1) Accept to Ft performs the click operation sowasonipt Frecutor is an interface that helps to execute javasoript through swebby The page object model diminates the It provides two methods 1) execute script 2) execute Async Boript (To mun Is on the selected available on alort we can use this method window or current page) Blenium supports 15 executor. There is no need for extra plugin or add on

we just need to import. [arg-openga .selenjum-Javasaript Eveutor] Syntax:-Janascript Executor is=(Janascript Executor) driver:

js. execute script (script, Arguments); script: This is the JS that need to execute Arguments: It is the arguments to script 3) getpage source (): This method is used

> i) import the package 11) create reference

It's optional

i'll) Cay Javascript Executor Methods. pgi) How to Handle the frames? In order to work or Identify qui

approach we have to switch to that respective frame

1) By using Index of the Frame. Switch To () . Frame (frame Number)

2) By using name of the frame SwitchTo() . Frame (frame name)

(928) List Exception dusses available 3) Bg using webelement of the frame dropdown? SwitchTo(). Frame (frame webelement)

> 1) Select by index: This method scheds the dropdown option by its indexto.

index no as an argument Syntax - select By Index (int args)

Select Byvalue (string ara)

R) select by value: by its value we provide string, value as an argument

writing testscripts & advantages Find Element method. The por works based on the principle of encapsulation. There the webelements have declared or prival based on the getter method we are returning the webelement.

In Porg the webelements have don't based on the JD and name attribute of the element in the Dorg structure. Suppose in the HTML DOM structure if any elements has attribute ID or name based on it respective values we can create on webflement. If the element in the HTML Dom's

structure if they don't have ID and altribute the element we can be created based on @ find by an notations This can be achieved by "pagefactor. initElement (oprouser. Hus); init Element is a static method, it accepts driver object of a current dus as parameter based on this execution dements in a frame by using selenionly the above methoned approachuse can orecite the exchelement

Advantages: -> We can handle frames in an apply i) It provides reusability of webtlement i) It reduces the code duplication end

improves test maintenance. ili) Make code readable.

(PV) Code becomes less and optimized

932) How to select the items from the

1) select by index (int index)

2) select by value (string) value)

3) select by visibleText (shing Text) 13) select by visible Text : by its text selectBby

Select By visible Text (string arg) se-selectBy visible Text ("white");

We provide an integer value as the

9) Nosuchsession E.

7) Hemend Notselectable

9) TimeOut

493) Has do you display the items available in DropDown using getoptions() select class provides the following netheds to get the opt" of dropdown 1) get options() 2) get firstselected option() 3) getselected options () i) get options (); used to get all the options in a dropdown or multi scleet syntax: getoptions (); list (webeler) \$34) What is log4j? What are the logger options are available? Log4i is used to track the logs. legaj is a tool to help the programmen output log struts to a variety of dp torrights Methods & desorn 1) public void debug (object message) It prints messages with the level lavel pegg of the applo ii) public void error (object message) iii)public void fatal (object message) LOVEL FATAL 10) public void info (object message) Level. JNFO v) public void worn (object message) Level · WARN vi) public usid trace (object message) LEVEL-TRACE Logui has 3 main components 1) Loggers : Responsible for capturing logging informan 1) appenders: Responsible for publishings legging infor to various preferred desty two statements, can be used in conjunction 3) Layouts = Res. For Formalting logging 5) But - It signifies logical DR con 1 both Leguj is an API . It is a Apache prodo) scenorio-Details about the Scenerio during the exect of testscripts

832) Hom is Harage bolom & consol By default selenium does not support child browser or tabbed browsers which DAbstraction @ Interface @ Inheritance are opened from the current object see opplymorphism -> method overloading of riding In order to handle child browsers Selenium supports the following two methods 1) getwindowHardle() 2) getwindowHandles() 1) getwindow Handler): It returns window hiding the implen of internal details handle of parent browser in string repren 2) getwindow Handle (): It returns window handler of the both parent and child browser in set() of string representation 9,66) Diffir - Selenium and testings. Selenium is a testing framework to test specially the UI of the appin how It behaves on browser. TestNG is a Kesting Framework to test the unit, functional, integran testings Q37) Difp"- Selenium & Cucumber Selenium Oucumber -It is an autor tool - It is an autor tool for web apps for behaviour-drive development. -It executes UI tests -It does acceptance T. suript orean is complex - more simple. Q38) Cucumber Annotations 1) Given - Desgribes the pre-requisite for the test to be executed 2) When - Defines the migger point for any test occurring execution 3) Then - Haids the expected result for the test to be executed 4) And - provides logical AND con betany any two stats. the main purpose is to track the logs under the test needs to be captured after the leeyword "scenemo".

127 Backsoni.

concepts of oops in selenium Auton framework & @ Encapsulation other selenium auton FW concepts DWebelement & Web Driver @ find By 10 Andelement 1) Abstraction & is the methodology of and showing the functionality to the wers In pom design pattern , we write locators such as id, name, xpath etc and methods in page class We utilize these locators in tests but we can't see the Impla of the methods literally we hide the imply of locators from the tests a) Interface: _ WebDriver driver=new Firefox Oriver(); WebDriver itself is an interface. It means