Technical and Non Technical Questions I have faced in the Interviews(Capgemini,CTS,L&T,Tech Mahindra,Hyundai,IDP Education,ADP):

1. Syntax for Actions  
2. Write code for the positive and negative scenario for Alerts  
3. Syntax for Windows handler  
4. Find odd number  
5. Disadvantages of Selenium  
6. Difference between get() and navigate().to()  
7. Write code to click on the Check box which is inside the Dynamic Table  
8. Write code for taking Screenshot  
9. Explains Maps in Java  
10. Explain framework (Questions based on your framework explanation)  
11. What is Pom.xml  
12. Which is the correct Xpath for this code (Lot of questions on Xpath)  
13. Xpath methods Ex: Starts-with & Contains  
14. Syntax for Css selector  
15. How to identify dynamic images  
16. From a given string,seperate characters,integers and special characters and store in a seperate variables and print them   
17. Remove duplicates from arraylist  
18. Print all the frame names  
19. How to read from XML or CSV file and store in hashmap  
20. Get value of a cell in Dynamic table  
21. What is Burndown chart (Agile)  
22. Print these characters from a given string and change to uppercase  
23. Explain Access specifiers  
24. Difference between Priority and Severity  
25. Example for High Priority and Low Severity and vice versa  
26. Difference between Test Strategy and Test Scenario  
27. What Software Metrics you have used in your project  
28. How to handle Dynamic Elements,since the webpage is designed in Angular Js  
29. Implicit and Explicit Waits  
30. Write code for Cross Browser Testing  
31. Explain Method Overloading and Method Overriding with Example  
32. What is Static Keyword  
33. Dependencies in Pom.xml  
34. Write code for fetching data from Excel   
35. Select this value in dropdown and hover to this element and click   
36. Assert and Verify  
37. Check if a given string is Palindrome or not  
38. Remove duplicate characters from a string and print  
39. Which Code Repository you are using (Ex: GitHub)  
40. How will you estimate the time to automate a scenario  
41. How to perform Right Click   
42. In a Dynamic Table if i give 1 cell value,it should give me the values of other cells in that row  
43. Have you Developed any Tool,If yes explain  
44. Write code for handling Frames  
45. Read from a text file and store in HashMap  
46. Print the occurance of each character if it is present more than once in a given string  
47. Write code for nested drop-down,You have to check all the values in the dropdown,All permutation and combination  
48. Advantages of Selenium  
49. How to check if a checkbox is displayed  
50. If the element is not present,how will you print the Element is not present message  
51. What all exceptions you have faced  
52. What all difficulties you have faced in Selenium  
53. What all TestNG Annotations you have used in project  
54. Where will you maintain the code  
55. What all Collections,you have used in your project   
56. How to run multiple test cases  
57. What are Primitive and Non primitive Data Types  
58. What is JDK,JRE and JVM  
59. Settings.xml in Maven  
60. Eliminate first and last string from array and print  
61. What is Encapsulation  
62. What is the use of build() and perform() in Actions  
63. How you will check the actual vs expected result  
64. Xpath Axes,Ex: Following  
65. Automate Menu and Sub Menu and click on link in Sub Menu and navigate to the page and click on an element  
66. Syntax for Alerts  
67. How will you generate Reports  
68. What is the execution time of your test cases  
69. Print a Reverse Pyramid  
70. Go to frame and click on the upload button and select the file which is in this directory  
71. Difference between PUTS and POST in API  
72. Read data from Excel and given that data as input for login and password and click on submit and validate the popup which says Login is successful  
73. Read data from two text files and compare if they are same or not  
74. Read data from an Excel file and compare the data to the web table and check whether it is same or not  
75. Select multiple option from the dropdown  
76. Explain Defect Lifecycle  
77. How many people are working in your project,what all teams are there  
78. What is your role in your project  
79. How often Daily Traige Call will happen and what will be discussed

1. Syntax for Actions Actions actions=new Actions(driver);   
   actions.moveToElement().release().build().perform().  
   2. Write code for the positive and negative scenario for Alerts

WebDriver driver=new ChromeDriver();  
  
Alert al=driver.switchTo().alert();  
String ss=al.getText();  
if(ss.equals("please enter your user id")  
{ System.out.println("Pop up text was correct");}  
else{System.out.println("Pop up text was incorrect");}al.accept() and al.dismiss();  
  
3. Syntax for Windows handler Set <String> handler=driver.getWindowHandles();  
Iterator<String>it=handler.iterator();  
String parentwindowid=it.next();  
String childrenwindowid=it.next();  
driver.switchTo().window(childrenwindowid);  
  
4. Find odd number "public class OddNumbers {  
public static int odd[]= {1,2,3,4,5,6,8,9,10};  
  
public static void main(String[] args) {  
  
for(int i=0;i<odd.length;i++) {  
  
int c=odd[i]%2;  
if(c==0) {  
  
}  
else {  
System.out.println(""odd Numbers in the series are:""+ odd[i]);  
}  
  
}  
}  
  
}"  
  
5. Disadvantages of Selenium 1)Selenium only supports webbased application and does not support window based application.2)Selenium needs outside support for report generation activity like dependency on TestNG or Jenkins .3) Cannot automate capture …..

6. Difference between get() and navigate().to() WebDriver driver=new ChromeDriver(); driver.get("[https://www.google.com](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.google.com%2F%3Ffbclid%3DIwAR0OtnCpsfgWP8vwsdpk_8V-xOGEbOGFrGw-4t2JMfh2XQD4tMZ5ctM_zV8&h=AT0ZyOtbe8Jm7SUzhgu3J-DqdYliuziLNIJsQaBTISDP4FIA6xCL3TZOAvw8kGSTUblc_b3A1-2jL4Jg90FQgO9pQ9obyKJJ-jQcDuCksbzgOm2IBGpEhz4R2UD54GhB5Ld7-hEwhxa-_OEzO4QC)"); driver.navigate().to("htttps://www.gmail.com"); Both are used to lauch sites but to move directly from one site to anoter site we used driver.navigate().to(url)

7. Write code to click on the Check box which is inside the Dynamic Table

 Write code for taking Screenshot // getScreenShotAs() method will return File object so store in File class reference variable // // To store screenshot file we use coptFile() method // File src=((TakesScreenShot) driver).getScreenShotAs(Output.FILE); FileUtils.copyFile(src,new File("path where you want to store png file which you have taken screen shot");  
-----------------------------------------   
8. Explain framework (Questions based on your framework explanation) Points to remember the frame work. 1) Select one framework which you are using are more familiour .2) Explain from skelton like ex: Pom.How and where page class creation and store.3) Explain where environment variables strore and use 4) Where test cases will write 5) Utilities usage 6) TestData usage 7)Which tools/ jars used to get different reports: TestNg o/p report, ExtentReport ....8)From where you execute testcase. 9)know about git and jenkins 10) know about jira or bugzila (Bug tracking tools and Test management tools)  
------------------------------------------------   
9. Which is the correct Xpath for this code (Lot of questions on Xpath) 1) To locate and WebElement in WebPage we have 8 types of locates we have 1) By.id,2)By.name 3)By.cssSelector(),4)By.linkText(),5) By.partialLinkText(),6)By.tagName(),7)By.xpath(),8)By.class() .9) Know about dyanmic xpaths to locate elemetns in webtables by different approaches.  
----------------------------------------------   
10. Syntax for Css selector General syntax for all locaters: driver.findElement(By.cssSelector("Entercssselectorvalue"); // How to get cssSelctorvalue: right click on tagname you will get copycssselctor .  
----------------------------------------------------------------------   
11. From a given string,seperate characters,integers and special characters and store in a seperate variables and print them   
package basicinterviewprograms;  
  
public class StringCharNumSpecialsymbollssplit {  
  
public void splitString(String str) {  
StringBuffer alpha = new StringBuffer(), // alpha:to store characters  
num = new StringBuffer(), // to store numbers  
special = new StringBuffer();// to store Special characters.  
  
for (int i = 0; i < str.length(); i++) {  
if (Character.isDigit(str.charAt(i))) {  
num.append(str.charAt(i));  
} else if (Character.isAlphabetic(str.charAt(i))) {  
alpha.append(str.charAt(i));  
} else {  
special.append(str.charAt(i));  
}  
  
}  
System.out.println("characters in the string are:"+alpha);  
System.out.println("numbers in the string are:"+num);  
System.out.println("Special characters in the string are:"+special);  
}  
  
public static void main(String[] args) {  
  
String str = "saip14433@gmail.com";  
StringCharNumSpecialsymbollssplit ss = new StringCharNumSpecialsymbollssplit();  
ss.splitString(str);  
  
}  
  
}

12. Print all the frame names  
  
"package basicinterviewprograms;  
  
import java.util.List;  
import java.util.concurrent.TimeUnit;  
  
import org.openqa.selenium.By;  
import org.openqa.selenium.StaleElementReferenceException;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.support.ui.ExpectedConditions;  
import org.openqa.selenium.support.ui.WebDriverWait;  
  
public class PrintAllFrameNames {  
  
public static void main(String[] args) throws InterruptedException {  
  
System.setProperty(""webdriver.chrome.driver"", ""E:\\Selenium softwares\\chromedriver.exe"");  
WebDriver driver = new ChromeDriver();  
driver.manage().timeouts().pageLoadTimeout(20, TimeUnit.SECONDS);  
driver.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);  
driver.manage().window().maximize();  
driver.manage().deleteAllCookies();  
driver.get(""[https://www.crmpro.com/index.html](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.crmpro.com%2Findex.html%3Ffbclid%3DIwAR2GTUNn_1PQiFVtn6xiUuct3l1cS3Qoyc3zum_nPv1MW0-1auVeMwIFlho&h=AT3-1ZtDVr0247BkHCPJaaKMb8MsHMvbpPbix4i5EiiBNamJmoinOYEQm-DaFFZGl5RreAOGTYxi7cDkb8QrR8dV1YATSsPPxSBGTZ0Sh4T3xIlE9HqorgwoQKmWt27x2xEMtGdCj0ooIzpGxyCR)"");  
driver.findElement(By.name(""username"")).sendKeys(""saiprasad"");  
Thread.sleep(3000);  
driver.findElement(By.name(""password"")).sendKeys(""hanuman@12c"");  
PrintAllFrameNames.clickOn(driver, driver.findElement(By.xpath(""//input[@type='submit']"")), 20);  
List<WebElement> element=driver.findElements(By.tagName(""frame""));  
System.out.println(element.size()); // we will get no of frames.  
for(int i=0;i<element.size();i++) {  
String frame=element.get(i).getAttribute(""name""); // we will framename  
System.out.println(""Frames in the list are:""+frame);  
}  
  
driver.quit();  
  
}  
  
public static void clickOn(WebDriver driver, WebElement locater, int timeout) {  
  
new WebDriverWait(driver, timeout).ignoring(StaleElementReferenceException.class)  
.until(ExpectedConditions.elementToBeClickable(locater));  
locater.click();  
  
}  
  
}  
"--------------------------------------------------------------------------  
13. Get value of a cell in a Dynamic table  
  
By using :getCssValue("cssTagName")-----------------------------------  
14. Print these characters from a given string and change to uppercase  
"package basicinterviewprograms;  
  
public class StringCharactersToUpperCase {  
  
public static void main(String[] args) {  
  
String name=""NaveenAutomationLabs"";  
String toUpper="""";  
for(int i=0;i<name.length();i++) {  
toUpper=name.toUpperCase();  
  
}  
  
System.out.println(""Resultent string is in the form of Uppercase:""+toUpper);  
}  
  
}  
"

15. Difference between Priority and Severity  
1)Priority:--->Defect Priority has defined the order in which the developer should resolve a defect.2)Priorities are classified into three types .a)Low ,b)Medium,c)High.3)Priority is associated with scheduling.4)Priority indicates how soon the bug should be fixed. ----Severity: 1)Defect Severity is defined as the degree of impact that a defect has on the operation of the product.2)Severity is categorized into five types a)Critical,b)Major,c)Moderate,d)Minor,e)Cosmetic.3)Severity is associated with functionality or standards.4)Severity indicates the seriousness of the defect on the product functionality. Note: Software system: Low Severity and High Priority: logo error is example. and High Severity and Low Priority :flight reservation in fligt operation website is example.

16 Difference between Test Strategy and Test Scenario  
1)Test Strategy: A Test Strategy is a high level document and normally developed by project manager. This document defines "Software Testing Approach" to achieve testing objectives and this is derived from the Business Requirement Specification document, for small companies they use Test approach and test Strategy inside the test plan for small projects. But for large projects there is one test Strategy document and different number of Test plans for each phase and level of testing. Components of Test Strategy document are: a) Scope and objective b) Business issues c) Roles and Responsibilites d) Communication and status reporting e) Test deliverabilty f)Industries standards should follow ,7)Test Automation tools 8)Testing measurements and metrices 9)Risks and mitigation 10) Defect Reporting and tracking 11) Change and configuartion management 12) Training plan..... Test Scenario : A scenario is a story that describes a hypothetical situation . In testing, you check how the program copes with hypothetical situation . A scenario is any functionality that can be tested , It is also called test condition.  
----------------------------------------------------------  
17. How to handle Dynamic Elements,since the webpage is designed in Angular Js  
With the help of dynamic xpath locaters and sikuli we can handle dynamic webelements.

18. Write code for Cross Browser Testing -----   
"Cross browser testing is a type of functional testing to check that your webApplication works as expected in different browsers. public static void intialization() {  
  
String browsername=prop.getProperty(""browser"");  
if(browsername.equals(""chrome"")) {  
System.setProperty(""webdriver.chrome.driver"",""E:\\Selenium softwares\\chromedriver.exe"");  
driver=new ChromeDriver();  
}  
else if(browsername.equals(""FF"")) {  
System.setProperty(""webdriver.gecko.driver"", ""C:\\Users\\SAI\\Desktop\\mindq practice\\webdriverbrowsers\\geckodriver.exe "");  
driver=new FirefoxDriver();  
  
}........."  
----------------------------------------------------------   
19. What is Static Keyword-------------------static keyword is used in java mainly for memory management .It is used with variables,methods,blocks,and nested classes. It is keyword that are used for share the same variable or method of a given class. Ex:-public static int a=20, public static void methodName().Note: The static vaiables and methods directly can access without creating object with class name.  
----------------------------------------------------------------   
20. Write code for fetching data from Excel ----------   
"In testNg :- @DataProvider public Object[][] getTestCRMData() {  
  
Object data[][]=TestUtil.getTestData(sheetname);  
return data;  
  
}  
  
@Test(priority=4,dataProvider=""getTestCRMData"")  
public void validateCreateNewContact(String title,String firstname,String lastname,String company) {  
homepage.clickonNewContactLink();  
// contactspage.createNewContact(""Mr."", ""First"", ""interviw"", ""letmecall"");  
contactspage.createNewContact(title, firstname,lastname, company); Note: In a datprovider we can fetch the data from excell sheet to program,for that we need to use some templets and above is the syntax.   
  
}" -------------------------------   
-21. Assert and Verify  
--------"Both Assert and Verify statements are used in the test suites for adding validations to the test methods. Testng frameworks like TestNg and Junit are used with selenium to provide assertions. The major difference between assertions and verify : In case of Assert command as soon as the validations fails the exection of that particular test method is stopped and that test method is marked as failed. Where as in case of verify,the test method continues even after failure of assertion statement . Although the test method will be marked as failed but the remaining statements of the test method will be executed normally. Syntax:Assetion: @Test  
public void assertionTest(){  
  
//Assertion Passing  
Assert.assertTrue(1+2 == 3);  
System.out.println(""Passing 1"");  
  
//Assertion failing  
Assert.fail(""Failing second assertion"");  
System.out.println(""Failing 2"");  
} Verify syntax:--@Test  
public void softAssertionTest(){  
  
//Creating softAssert object  
SoftAssert softAssert = new SoftAssert();  
  
//Assertion failing  
softAssert.fail(""Failing first assertion"");  
System.out.println(""Failing 1"");  
  
//Assertion failing  
softAssert.fail(""Failing second assertion"");  
System.out.println(""Failing 2"");  
  
//Collates the assertion results and marks test as pass or fail  
softAssert.assertAll();  
}"  
------------------------------------------------------------------------------------------

22. Remove duplicate characters from a string and print------------------------------------------------"package basicinterviewprograms;  
  
import java.util.LinkedHashSet;  
import java.util.Set;  
  
public class RemoveDuplicateCharctersInString {  
  
// static String str=""saiprasad"";  
public static void main(String[] args) {  
  
System.out.println(RemoveDuplicateCharctersInString.removeDuplicte(""saaaaiprasadddddddddddd""));  
  
// StringBuilder sb=new StringBuilder();  
// Set<Character> linkedHashSet=new LinkedHashSet<>();  
// for(int i=0;i<str.length();i++) {  
// linkedHashSet.add(str.charAt(i));  
// }  
//   
// for(Character c:linkedHashSet) {  
// sb.append(c);  
//   
// }  
  
}  
  
public static StringBuilder removeDuplicte(String str) {  
StringBuilder s = null;  
StringBuilder sb=new StringBuilder();  
Set<Character> linkedHashSet=new LinkedHashSet<>();  
for(int i=0;i<str.length();i++) {  
linkedHashSet.add(str.charAt(i));  
}  
  
for(Character c:linkedHashSet) {  
s= sb.append(c);  
  
}  
  
return s;  
}  
  
}  
"  
------------------------------------------------------------

23. How will you estimate the time to automate a scenario-----------------------------   
The time required/ estimate to automate a scenario it depends on following factores a) Complexity of the module ,b)Durabiliry of the script (no of try-catch blocks,input from the excel,etc..),c)UI,d)Dynamic Elements,e)PopUp,f)Framework design,g)Experience . ROI (Return on Investment can be calculated by )={(Cummulative Saving)/Investment through automation}\*100;-----------------------------------------------------------------------------------------------------------------------------------------------------   
24. In a Dynamic Table if i give 1 cell value,it should give me the values of other cells in that row  
----------------------------In a dynamic webtable column will be implemeted by using td tag and row is implemented by tr ,here the question is if one cell value is given, in the same row they are asking for other cell values , so tr remains same and td will change , by use for loop till end of the tr .size() we get. The xpath shoud be alter in three ways and final result will be store by changing the td value.And by using getAttribute() and getValue() we get the respective values at that location in dynamic webTable.  
------------------------------------------------------------------------------------------------

25. Write code for handling Frames--------------------------------------------------------------

Frames in a webpage can be handled in two way .1) with name 2) with index .driver.switchTo().frame(index),driver.swithTo().frame(name)  
---------------------------------------------------------------------------------------------------

26. Print the occurance of each character if it is present more than once in a given string------------------------------------------------------------------------------------------"package basicinterviewprograms;  
  
import java.util.HashMap;  
  
public class OccuranceOfEachCharacter {  
  
public static void main(String[] args) {  
OccuranceOfEachCharacter.occuranceOfCharacter(""saiprasad"");  
  
}  
  
public static void occuranceOfCharacter(String str) {  
  
HashMap<String, Integer> counter = new HashMap<String, Integer>();  
  
for (char c : str.toCharArray()) {  
String occ = c + """";  
  
if ((!counter.containsKey(occ))) {  
counter.put(occ, 1);  
} else {  
counter.put(occ, counter.get(occ) + 1);  
}  
  
}  
System.out.println(counter);  
}  
  
}  
"  
-------------------------------------------------------------------

27. Advantages of Selenium-----------------------------------------------------------------------------------------------1)Selenium is an a open source software,2)Selenium supports various programming languages to write programs(Test Scripts) selenium support: java,c#,perl,python,ruby and php,3)Selenium supports various os(MS Windows,Linux,Macintosh etc…),4)Selenium supports various browsers(Mozilla Firefox,Google Chrome,IE, Opera, Safari .....)5) Selenium supports parallel Test Execution,6) Selenium uses less hardware resources  
---------------------------------------------------------------------

28. If the element is not present,how will you print the Element is not present message.-------------------------------------------------------------------------------if(driver.findElement(By.xpath(" "))!=null{ System.out.println("Element is present") }else{System.Out.println("Element is not Present") . To Check visible we can use isDisplayed(); 2) To check enable isEnabled()  
------------------------------------------------------   
29. What all difficulties you have faced in Selenium.------------------------------------------------ 1)Pop-up windows ,2)Dynamic Content,3)Limited reporting,4)Manual Testing: Many testers will get excited about selenium's capabilities and expect they can automate everything when the reality is that this just is'nt possible.In fact,a automation relies on basic manual testing efforts.Rather,learning to prioritize which tests to automate will be benificial to any tester.Selenium WebDriver lacks visual testing for that we will go for outsourcing. ------------------------------------------------------------------------------------------------------------------------------------------------------------30. Where will you maintain the code--------------------------------------------------------------Every company having their own repository, so developers push their code into their repository and similarly testers also do the same.  
-------------------------------------------------------------------------------------------------31. How to run multiple test cases-------------------------------------------------------------------------In testNg : In xml file we need to mention parallel="tests" and thread-count="1" in schema and remaining code will as it is.  
-----------------------------------------------------------------------------------------------------32. What is JDK,JRE and JVM------------------------------------------------------------------------JDK: Java Development Kit,JRE: Java Run Time Environment,JVM: java virtual machine:JDK is for development purpose whereas JRE is for running the java programs.JDK and JRE both contain JRE so that we can run our java programs.JVM is the heart of java programming language and provides plat form independent. Current version: JDK11.  
-------------------------------------------------------------------------------------------------------33. Eliminate first and last string from array and print---------------------------------"package basicinterviewprograms;  
  
public class EliminateFirstLastString {  
  
public static void main(String[] args) {  
  
String array[]= {""sai"",""prasad"",""chigullapally"",""manualtesting"",""selenim"",""automation"",""timewaste""};  
  
System.out.println(""Size of the array is :""+array.length);  
for(int i=1;i<=array.length-2;i++) {  
System.out.println(""String values after eliminatig first and last string are:""+array[i]);  
}  
  
}  
  
}"  
------------------------------------------------------------------------------------------------------

36. Syntax for Alerts  
--------------------------------------------------------------- Alert alert=driver.switchTo().alert(); alert.accept() or alert.dismiss() baseed on our requirement we use.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1. Syntax for Actions  Sol:-WebDriver driver =new ChromeDriver();       Actions a=new Actions(driver)       a.clickAndHold(driver.findElement(By.xpath("//\*[@id='draggable']"))).moveToElement(driver.findElement     (By.xpath("//\*[@id='droppable']"))).release().build().perform();  ----------------------------------------------------------------------------------------------------  2. Write code for the positive and negative scenario for Alerts  Sol:- WebDriver driver =new ChromeDriver();        Alert a=driver.switchTo().alert();        String s=a.getText();        if(s.equals("Please enter your User ID")){        System.out.println("Pop up text was correct");        else{        System.out.println("Pop up text was incorrect");         }        a.accept(); // to click ok        a.dismiss();// to click cancel  -----------------------------------------------------------------------------------------  3. Syntax for Windows handler  Sol:- WebDriver driver=new ChromeDriver();        Set<String> handler=driver.getWindowHandles();        Iterator<String> it=handler.iterator();        String parentwindowid=it.next();        String childwindowid=it.next();        driver.switchTo().window(parentwindowid)  --------------------------------------------------------------------------------------------------  4. Find odd number  Sol:- package repeatPrograms;       public class OddNumbers {  public static void main(String[] args) {  int a[]= {1,2,3,4,5,6,7,8,9,10};  for(int i=0;i<a.length;i++) {  if(a[i]%2==0) {  //System.out.println("Even Numbers are:"+a[i]);  }else {  System.out.println("Odd Numbers are:"+a[i]);  }  }  }  }  -----------------------------------------------------------------------------------  5. Disadvantages of Selenium  Sol:   1)Selenium only supports webbased application and does not support window based application.         2)Selenium needs outside support for report generation activities like dependent on TestNG or Jenkins.         3)Cannot automate Capture and Barcode.etc...  -------------------------------------------------------------------------------------------------  6. Difference between get() and navigate().to()  Sol: WebDriver driver =new ChromeDriver();       driver.get("[http://www.google.com](http://www.google.com/))       driver.navigate().to("[http://www.gmail.com](http://www.gmail.com/)")       Both are used to launch sites but driver.navigate().to(URL) is used to move directly from one site to another site.  ---------------------------------------------------------------------------------------  7. Write code to click on the Check box which is inside the Dynamic Table  Sol:-public void selectContactsByName(String name) {  driver.findElement(By.xpath("//a[text()='"+name+"']//parent::td[@class='datalistrow']"  + "//preceding-sibling::td[@class='datalistrow']//input[@name='contact\_id']")).click();  }    Note: For clicking the check box we used driver.click() and with the help of dynamic xpath we need to locate webElement.  --------------------------------------------------------------------------------------------------------------  8. Write code for taking Screenshot  File src=((TakesScreenShot)driver). getScreenShotAs(OutputType.FILE);  FileUtils.copyFile(src,new File("E://frameworks//basicselenium//facebook1.jpg"))  ----------------------------------------------------------------------------------------------------------  9. Explains Maps in Java  Sol:-  The java.util.Map interface represents a mapping between a key and a value         1) A Map cannot contain duplicate keys and each key can map at most one value.         2)Some implementations allow null key and null value like the HashMap and LinkedHashMap, but some do not          like the TreeMap.         3)There are two interfaces for implementing Map in java: Map and SortedMap, and three classes: HashMap,TreeMap and LinkedHashMap.         4)A Map are perfect to use for key-value association mapping such as dictionaries.     Methods in Map interface :-  1)public Object put(Object key,Object value): insert entry into the Map.  2)public void putAll(Map map): This method is used to insert the specifed map in this map.  3)public Object remove(Object key): This method is used to delete an entry for the specified key.  4)public Object get(Object key):This method is used to return the value for the specified key.  5)public boolean containsKey(Object key):This method is used to search the specified key from this Map.  6)public Set keySet(): This method is used to return the Set view containing all the keys.  7)public Set entrySet(): This method is used to return the Set view containing all the keys and values.  ----------------------------------------------------------------------------------------  10. Explain framework (Questions based on your framework explanation)  Sol:- It total depend on which framework you are using:        Some of the framework are:        1)Data driven framwork.        2)BDD (Behaviour driven development framework).        3)testNg( Test new generation framework)        4)Hybridframework ( Combination of data driven +testNg with POM pattern )        5)keyword driven framework.  -------------------------------------------------------------------------------------------  11. What is Pom.xml  Sol: -POM is an XML file which contains the project configuration details used by Maven. It provides all the configuration required for a project.  -------------------------------------------------------------------------------------------------  12. Which is the correct Xpath for this code (Lot of questions on Xpath)  --------------------------------------------------------------------------------  13. Xpath methods Ex: Starts-with & Contains  Sol:-Some of the methods used in the xpath are:      1) contains()      2)starts-with()      3)text().....  -------------------------------------------------------------------------------------------  14. Syntax for Css selector  Sol:-WebDriver driver=new ChromeDriver()       driver.findElement(By.cssSelector(" ")).sendkeys();  Note: Depends on Tag,Id,class and Attribute  --------------------------------------------------------------------------  15. How to identify dynamic images.  -------------------------------------------------------------------------------------------------  16. From a given string,seperate characters,integers and special characters and store in a seperate variables and print them.  Sol:-package repeatPrograms;  public class StringSplitProgram {  public static void splitString(String str) {  StringBuffer alpha=new StringBuffer(), // alpha object is to store alphabets.       num=new StringBuffer(), // num object is to store numbers       special=new StringBuffer(); // special object is used to store special characters.  for(int i=0;i<str.length();i++) {  if(Character.isAlphabetic(str.charAt(i))) {  alpha.append(str.charAt(i));  }else if(Character.isDigit(str.charAt(i))){  num.append(str.charAt(i));  }else {  special.append(str.charAt(i));  }  }  System.out.println("Alphabatics present in the string are:"+alpha);  System.out.println("Numbers present in the string are:"+num);  System.out.println("Specialcharacters present in the string are:"+special);  }  public static void main(String[] args) {  StringSplitProgram.splitString("[saip144@gmail.com](mailto:saip144@gmail.com)");  }  }  ------------------------------------------------------------------------------------------------------------    17. Remove duplicates from arraylist  Sol:- package repeatPrograms;  import java.util.ArrayList;  import java.util.List;  public class RemoveDuplicates {  public static void main(String[] args) {  // How to remove duplicate elements from an a ArrayList in java.  // 1) approach using contains() method.  List<String >emplist=new ArrayList<String>();  emplist.add("chigullapally");  emplist.add("Sai Prasad");  emplist.add("chigullapally");  emplist.add("Sreenivasulu Setty");  System.out.println("Emplist before removing duplicates are: "+emplist);  // Create new ArrayList object to store only without duplicates.  List<String>newempllist=new ArrayList<String>();  for(String emp:emplist) {  if(!newempllist.contains(emp)) {  newempllist.add(emp);  }  }  System.out.println("Emplist After removing duplicate are:"+newempllist);  }  }  ------------------------------------------------------------------------------------------------------------  18. Print all the frame names  Sol:- package repeatPrograms;  import java.util.List;  import java.util.concurrent.TimeUnit;  import [org.openqa.selenium.By](http://org.openqa.selenium.by/);  import org.openqa.selenium.Dimension;  import org.openqa.selenium.WebDriver;  import org.openqa.selenium.WebElement;  import org.openqa.selenium.chrome.ChromeDriver;  public class PrintAllTheFrameNames {  public static void main(String[] args) {  System.setProperty("webdriver.chrome.driver", "E:\\Selenium softwares\\chromedriver.exe");  WebDriver driver = new ChromeDriver();  driver.manage().window().maximize();  /\*   \* Dimension d=new Dimension(1800,1200); driver.manage().window().setSize(d);   \*/  driver.manage().timeouts().pageLoadTimeout(20, TimeUnit.SECONDS);  driver.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);  driver.manage().deleteAllCookies();  driver.get("<https://www.hdfcbank.com/>");  List<WebElement> frameslist = driver.findElements(By.tagName("iframe"));  System.out.println("Total number of frames in the webpage are:" + frameslist.size()); // To get total number of  // To print all the frame name // frames in the webpage  for(WebElement frame:frameslist) {  System.out.println("Frame id:"+frame.getAttribute("id")); // return the id of the frame.  System.out.println("Frame name:"+frame.getAttribute("name"));// return the name of the frame.  }  }  }  ----------------------------------------------------------------------------------------------------------------------  19. How to read from XML or CSV file and store in hashmap  --------------------------------------------------------------------------------------------------------  20. Get value of a cell in Dynamic table  Sol:- Select s1=new Select(driver.findElement(By.xpath("//\*[@name='slctMonth']")));  s1.selectByVisibleText(month);  Select s2=new Select(driver.findElement(By.xpath("//\*[@name='slctYear']")));  s2.selectByVisibleText(year);  //\*[@id='crmcalendar']/table/tbody/tr[2]/td/table/tbody/tr[2]/td[1]  //\*[@id='crmcalendar']/table/tbody/tr[2]/td/table/tbody/tr[2]/td[2]  //\*[@id='crmcalendar']/table/tbody/tr[2]/td/table/tbody/tr[2]/td[7]  String beforexpath="//\*[@id='crmcalendar']/table/tbody/tr[2]/td/table/tbody/tr[";  String afterxpath="]/td[";  final int totalweekdays=7;  Boolean flag=false;  for(int rownum=2;rownum<=7;rownum++)  {  for(int colnum=1;colnum<=totalweekdays;colnum++)  {  String dayval=driver.findElement(By.xpath(beforexpath+rownum+afterxpath+colnum+"]")).getText();  System.out.println(dayval);  if(dayval.equals(day))  {  driver.findElement(By.xpath(beforexpath+rownum+afterxpath+colnum+"]")).click();  flag=true;  break;  }  }  if(flag)  {  break;  }  }  -----------------------------------------------------------------------------------------------------------------  21. What is Burndown chart (Agile)  Sol:-- Scrum Master will prepare during sprint process in 30 days. It will be measures based on number of days vs effort.  size of team(Scrum team size)(10 members) \* No of days (Sprint duration)(30 days) \* (working hours (8 hours per day)= Total hours.  --------------------------------------------------------------------------------------------------  22. Print these characters from a given string and change to uppercase  Sol:--  package repeatPrograms;  public class StringCharactertoUpperCase {  public static void main(String[] args) {  String s="saiprasad";  // printing all the characters in the string.  for(int i=0;i<s.length();i++) {  System.out.println(s.charAt(i));  }  System.out.println(s.toUpperCase());  }  }  --------------------------------------------------------------------------------------------------------  23. Explain Access specifiers  Sol:-- Access Specifiers in java are:-  In java we have four Access Specifiers and they are listed below.  1. public  2. private  3. protected  4. default(no specifier)  Access Modifiers                  Default   private   protected public  --> Accessible inside the class    yes     yes yes      yes  -->Accessible within the subclass  inside the same package.            yes     no          yes      yes  --> Accessible outside the package  no      no          no       yes  --> Accessible within the subclass  outside the package.                no      no          yes      yes  -------------------------------------------------------------------------------------------------------------  24. Difference between Priority and Severity  [s.no](http://s.no/)                  Priority                                         Severity      1 Defect priority has defining the order in which         Defect Severity is defining as the degree of          the developer should resolue the defect.                impact that a defect has on the operation of                                                                  the product.    2 Priority is categorized into three types                Severity is categorized into five types       --> Low                                                    --> Critical       --> Medium                                                 --> Major       --> High                                                   --> Moderate                                                                  --> Minor                                                                  --> Cosmetic   3 Priority is associating with scheduling Severity is associated with functionality or      Standards.   4 Priority indicates how soon the bug should Severity indicates the seriouness of the defect    be fixed.   on the product functionality.   5 priority of defect is decided in consulting QA engineer determines the severity level of    with the manager/client  defect.   6 Prioriy is driven by business value. Severiy is driven by functionality.  Note: LowSeverityWithHighPriority: A logo error for any shipment website  ....etc  Note2:HighSeverityWithLowPriority: Flight Operating Website......etc  --------------------------------------------------------------------------------------------------------  25. Example for High Priority and Low Severity and vice versa  Sol:-  Note: LowSeverityWithHighPriority: A logo error for any shipment website  ....etc         Note2:HighSeverityWithLowPriority: Flight Operating Website......etc  --------------------------------------------------------------------------------------------------  26. Difference between Test Strategy and Test Scenario  sol:-   The test plan is a term and a deliverable. The test plan is a document that lists all the activities in a QA project, schedules them, defines the scope of the project, roles & responsibilities, risks, entry & exit criteria, test objective and anything else that you can think of. The test plan is as I like to call a super document that lists everything there is to know and need. Please check this link for more information and a sample.  This is also a deliverable and also a document at that. Test strategy outlines the testing approach and everything else that surrounds it. It is different from the test plan, in the sense that a Test strategy is only a subset of the test plan. It is a hardcore test document that is to an extent generic and static. There is also an argument about at what levels test strategy or plan is used- but I really do not see any discerning difference.  Example: Test plan gives the information of who is going to test at what time. For example, Module 1 is going to be tested by X tester. If tester Y replaces X for some reason, the test plan has to be updated.  On the contrary, a test strategy is going to have details like  Individual modules are to be tested by test team members.  In this case, it does not matter who is testing it- so its generic and the change in the team member does not have to be updated, keeping it static.  ----------------------------------------------------------------------------------------------  27. What Software Metrics you have used in your project  Sol:Software testing metrics:It is defined as the quantitative measure that helps to estimate progress,quality,and health of a software testing effort.  Process Metrics: It can be used to improve the process efficiency of the SDLC ( Software Development Life Cycle)  Product Metrics: It deals with the quality of the software product  Project Metrics: It can be used to measure the efficiency of a project team or any testing tools being used by the team members  Identification of correct testing metrics is very important. Few things need to be considered before identifying the test metrics  Fix the target audience for the metric preparation  Define the goal for metrics  Introduce all the relevant metrics based on project needs  Analyze the cost benefits aspect of each metrics and the project lifestyle phase in which it results in the maximum output.  --------------------------------------------------------------------------------------------------------------------  28. How to handle Dynamic Elements,since the webpage is designed in Angular Js  ---------------------------------------------------------------------------------------------  29. Implicit and Explicit Waits  Implicit wait:The implicit wait tells to the WebDriver to wait certain amount of time before it throws "NoSuchElementException" or any another exception .Once we set the time WebDriver will wait for that time before throwing an exception.  syntax: WebDriver driver =new ChromeDriver();        driver.manage().timeouts().implicitlywait(20,TimeUnit.SECONDS);  Explicit Wait:  The Explicit wait is used tell the WebDriver to wait for certain condition( Expected Conditions).It is a kind of intelligent wait, but it can be appliend for specified elements.  syntax:public static void clickOn(WebDriver driver,WebElement locater,int timeout) {  WebDriverWait dd=new WebDriverWait(driver,timeout);  dd.ignoring(StaleElementReferenceException.class).until(ExpectedConditions.elementToBeClickable(locater));  locater.click();  }  ------------------------------------------------------------------------------------------------------------------  30. Write code for Cross Browser Testing  Sol:- public static void intialization() {  String browsername=prop.getProperty("browser");  if(browsername.equals("chrome")) {  System.setProperty("webdriver.chrome.driver","E:\\Selenium softwares\\chromedriver.exe");       driver=new ChromeDriver();  }  else if(browsername.equals("FF")) {  System.setProperty("webdriver.gecko.driver", "C:\\Users\\SAI\\Desktop\\mindq practice\\webdriverbrowsers\\geckodriver.exe ");  driver=new FirefoxDriver();  }  ....for opera  ....for IE  ....for edge  ....for safari  ....  ---------------------------------------------------------------------------------------------------------  31. Explain Method Overloading and Method Overriding with Example.  Sol:-  Method Overloading:-public class MethodOverloading {  // MethodOverloading means : With the same method with different arguments  // is known as method overloading in same class  // You can not create method inside a method.  public static void main(String[] args) {  MethodOverloading m = new MethodOverloading();  m.sum();  m.sum(20);  m.sum(20, 30);  }  public void sum() {  System.out.println("Sum Method");  }  public void sum(int i) {  i = 20;  System.out.println("The value  of i is:" + i);  }  public void sum(int i, int j) {  System.out.println("The value of i and j are:" + i);  System.out.println("The value of i and j are:" + j);  }  }  Method overriding:-  package oopConceptpart2;  public class MethodOverRidingTest {  public static void main(String[] args) {  // MethodOverriding: When same method name with same number of parameters available in child and parent  // StaticPolymorphism or Compile time polymorphism  // Polymorphism means: one from many than can inherit from parents.  MethodOverRidingBMW c = new MethodOverRidingBMW();  c.start();// There are two same methods in parent class and child class  // with the same name : child class method will be called  c.stop();  c.refuel();  c.theftSafety();  c.engine(); // Inheriting from grandparent --  vehile class  System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  MethodOverRidingCar b=new MethodOverRidingCar();  b.start();  b.stop();  b.refuel();  // But we can not access theftsafety.  // Dynamic Polymorphism or Runtime polymorpism: Child class object is reffered by parent class reference;  MethodOverRidingCar i=new MethodOverRidingBMW(); // Top casting:  i.start();  i.stop();  i.refuel();  MethodOverRidingBMW ii=(MethodOverRidingBMW) new MethodOverRidingCar(); // Down casting:  }  }  -------------------------------------------------------------------------------------------------------------  32. What is Static Keyword  Sol:- static keyword is a non-access modifer which is applicable for the following:-  ----> 1)blocks  ----> 2)variables  ----> 3)methods  ----->4)nested classes  If you declare any variable as static, it is known as a static variable.  The static variable can be used to refer to the common property of all objects (which is not unique for each object), for example, the company name of employees, college name of students, etc.  The static variable gets memory only once in the class area at the time of class loading.  Advantages of static variable  It makes your program memory efficient (i.e., it saves memory).  Understanding the problem without static variable  class Student{       int rollno;       String name;       String college="ITS";  }  Suppose there are 500 students in my college, now all instance data members will get memory each time when the object is created. All students have its unique rollno and name, so instance data member is good in such case. Here, "college" refers to the common property of all objects. If we make it static, this field will get the memory only once.  -----------------------------------------------------------------------------------------------------  33. Dependencies in Pom.xml  Sol:-- Dependencies depends on our project/product requirement  Please find below are few dependencies of selenium,java,testNg,POI.xml,log4j and xtendreport dependencies.  <dependencies>        <dependency>          <groupId>org.seleniumhq.selenium</groupId>          <artifactId>selenium-java</artifactId>          <version>3.141.59</version>      </dependency>        <!-- <https://mvnrepository.com/artifact/org.testng/testng> -->  <dependency>      <groupId>org.testng</groupId>      <artifactId>testng</artifactId>      <version>6.11</version>      <scope>compile</scope>  </dependency>        <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi</artifactId>  <version>3.16-beta2</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi-ooxml</artifactId>  <version>3.9</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi-ooxml-schemas</artifactId>  <version>3.9</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi-scratchpad</artifactId>  <version>3.9</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>ooxml-schemas</artifactId>  <version>1.1</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>openxml4j</artifactId>  <version>1.0-beta</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi</artifactId>  <version>3.9</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi-ooxml</artifactId>  <version>3.9</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi-ooxml-schemas</artifactId>  <version>3.9</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>poi-scratchpad</artifactId>  <version>3.9</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>ooxml-schemas</artifactId>  <version>1.1</version>  </dependency>  <dependency>  <groupId>org.apache.poi</groupId>  <artifactId>openxml4j</artifactId>  <version>1.0-beta</version>  </dependency>        <dependency>  <groupId>com.relevantcodes</groupId>  <artifactId>extentreports</artifactId>  <version>2.41.2</version>  </dependency>    <dependency>  <groupId>log4j</groupId>  <artifactId>log4j</artifactId>  <version>1.2.17</version>  </dependency>    </dependencies>  ----------------------------------------------------------------------------------------------------------------  34. Write code for fetching data from Excel:  Note: To fetch the data from excel sheet into our program we required excel utility (600 to 700 lines of code) with the help of methods available in this utility like getcelldata(),getRowCount(),setCellData() once after creating an a object to the utility we can use.  Sol:- Process1: Fetching data from excel to webpage:-  package com.test;  import java.util.concurrent.TimeUnit;  import [org.openqa.selenium.By](http://org.openqa.selenium.by/);  import org.openqa.selenium.WebDriver;  import org.openqa.selenium.chrome.ChromeDriver;  import org.openqa.selenium.support.ui.Select;  import org.testng.annotations.Test;  import com.excel.utilities.Xls\_Reader;  public class DataDrivenTest {  // To read the data from excel file : So we required excel sheet.  @Test  public void dataprovider() {  // Note: Here there is one drawback everytime we need to use repetative code to  // overcome we use for loop or parametarization. : To change the row count.  // Getting TestData from excel  Xls\_Reader reader = new Xls\_Reader(  "E:\\myselenium\\TestNGBasics\\src\\main\\java\\com\\testdata\\halfebaytestdata1.xlsx");  String firstname = reader.getCellData("RegTestData", "firstname", 2);  System.out.println(firstname);  String lastname = reader.getCellData("RegTestData", "lastname", 2);  System.out.println(lastname);  String address1 = reader.getCellData("RegTestData", "address1", 2);  System.out.println(address1);  String address2 = reader.getCellData("RegTestData", "address2", 2);  System.out.println(address2);  String city = reader.getCellData("RegTestData", "city", 2);  System.out.println(city);  String state = reader.getCellData("RegTestData", "state", 2);  System.out.println(state);  String zipcode = reader.getCellData("RegTestData", "zipcode", 2);  System.out.println(zipcode);  String emailaddress = reader.getCellData("RegTestData", "emailaddress", 2);  System.out.println(emailaddress);  // Selenium WebDriver code  System.setProperty("webdriver.chrome.driver", "E:\\Selenium softwares\\chromedriver.exe");  WebDriver driver = new ChromeDriver();  driver.get("<https://scgi.half.ebay.com/ws/ebayISAPI.dll?RegisterEnterinfo&usage=2943&ru=>");  driver.manage().window().maximize();  driver.manage().timeouts().pageLoadTimeout(30, TimeUnit.SECONDS);  driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);  driver.findElement(By.id("firstname")).sendKeys(firstname);  driver.findElement(By.id("lastname")).sendKeys(lastname);  driver.findElement(By.id("address1")).sendKeys(address1);  driver.findElement(By.id("address2")).sendKeys(address2);  driver.findElement(By.id("city")).sendKeys(city);  Select select = new Select(driver.findElement(By.id("state")));  select.selectByVisibleText(state);  driver.findElement(By.id("zip")).sendKeys(zipcode);  driver.findElement(By.id("email")).sendKeys(emailaddress);  driver.findElement(By.id("retype\_email")).sendKeys(emailaddress);  }  }  process 2: Fetching data from excel to webpage:-  @DataProvider  public Object[][] getTestCRMData() {  Object data[][]=TestUtil.getTestData(sheetname);  return data;  }  @Test(priority=4,dataProvider="getTestCRMData")  public void validateCreateNewContact(String title,String firstname,String lastname,String company) {  homepage.clickonNewContactLink();  // contactspage.createNewContact("Mr.", "First", "interviw", "letmecall");  contactspage.createNewContact(title, firstname,lastname, company);  }  --------------------------------------------------------------------------------------------------------------------    35. Select this value in dropdown and hover to this element and click.  Sol:-  Select ss=new Select(driver.findElement(By.name("country")));  ss.selectByVisibleText("India"); or ss.selectByIndex(11); or ss.selectByValue("value");          with the help of click() we can click();   -----------------------------------------------------------------------------------------------------------  36. Assert and Verify  Sol: Both Assert and Verify commands are used to find wheter given input is present or not  on the webpage.  when "assert" command fails,the test execution will be aborted.So when the assertion fails,all the test steps after line of code are skipped. The solution to overcome this issue is to use try and catch block.We use assertion in try block.Mostly,the assert command is used when the end results of the check value should pass to contiue to the next step.  In simple words,if the assert condition is true then the program control will execute the next step but if the condition is false,the execution will stop and further test step will not be executed.  To overcome this we use softassertion in TestNg  Verify commands in Selenium:-  In simple words,there won't be any halt in the test execution even though the verify condition is true or false.  We can use if-else and try-catch  --------------------------------------------------------------------------------------------------------------  37. Check if a given string is Palindrome or not  Sol:-  package basicprograms;  import java.util.Scanner;  public class PalindromeProgram {  public static void main(String[] args) {  String str;  String rev="";  System.out.println("Enter a String");  Scanner sc=new Scanner(System.in);  str=sc.nextLine();  int length=str.length();  for(int i=length-1;i>=0;i--) {  rev=rev+str.charAt(i);  }  if(str.equals(rev)) {  System.out.println("Given String is palindrome:"+str);  }else {  System.out.println("Given String is not palindrome:"+str);  }  }  }  -------------------------------------------------------------------------------------------  38. Remove duplicate characters from a string and print  Sol:-  package basicprograms;  import java.util.LinkedHashSet;  import java.util.Set;  public class RemovingDuplicateinString {  public static void main(String[] args) {  String str = "saiprasad";  System.out.println("Before duplicate value is:"+str);  char a[]=str.toCharArray();  Set<Character> s=new LinkedHashSet<Character>();  for(char b:a) {  s.add(b);  }  StringBuilder sb=new StringBuilder();  for(Character b:s) {  sb.append(b);  }  System.out.println("After removing duplicat value is "+sb.toString());  }  }  --------------------------------------------------------------------------------------------------------------  39. Which Code Repository you are using (Ex: GitHub)  Code Repository: Git Hub is collabration platform.It is built on top of Git .It allows you to keep both local and remote copies of your project.A project you can publish it among your team members as they can use it and update it from there itself.  Advantages of Using GitHub for Selenium:-  1) When multiple people working on the same project they can update project details and inform other team members simultaneously.  2)Jenkins can help us to regularly build the project from the remote repository this helps us to heep track of failed builds.  Commands used in git area below:  Git commands :-  git init  git remote add origin <http://github.com/saiprasadchigullapally/testngframeworkbasics.git>  git status  git add .                      (. Indicates all sub folder in the master folder)  git status  git commit -m "comment based on command"  git push origin master  For pulling the data from git repository or git server  Select the folder to which you want to move the content(E:\batch233\clone) in command pr  git clone <http://github.com/saiprasadchigullapally/testngframeworkbasics.git> (which file from git website)  git pull origin master  -------------------------------------------------------------------------------------------------------------  40. How will you estimate the time to automate a scenario  To estimate the time to automate a scenario in a automation project it depends on the following factors:  1) Scope of the project.  2)Complexity of the project.  3)Use of Supporting Tools/ Technologies  4)Implementing the framework  5)Learning and Training  6)Environment SetUp  7)codding/Scripting And Review  The thumb rule here is Identify certain criteria, divide your modules or test case on those criteria; and scale it. Based on your scaled figure  you can come to an accurate estimation.  Factor #7: Coding / scripting and Review  Meaning: Writing the actual test scripts and reviewing them  Steps Involved:  Test cases and framework is ready.  Take/divide the test cases and convert it into automated scripts and track your progress  Deliverable: Automated test scripts  Remarks: the Whole team should participate in writing the test scripts using the implemented framework. So while estimating, efforts from the whole team should be taken into consideration.-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------  41. How to perform Right Click    42. In a Dynamic Table if i give 1 cell value,it should give me the values of other cells in that row  43. Have you Developed any Tool,If yes explain  44. Write code for handling Frames  45. Read from a text file and store in HashMap  46. Print the occurance of each character if it is present more than once in a given string  47. Write code for nested drop-down,You have to check all the values in the dropdown,All permutation and combination.  48. Advantages of Selenium  49. How to check if a checkbox is displayed  50. If the element is not present,how will you print the Element is not present message  51. What all exceptions you have faced  52. What all difficulties you have faced in Selenium  53. What all TestNG Annotations you have used in project  54. Where will you maintain the code  55. What all Collections,you have used in your project  56. How to run multiple test cases  57. What are Primitive and Non primitive Data Types  58. What is JDK,JRE and JVM  59. Settings.xml in Maven  60. Eliminate first and last string from array and print  61. What is Encapsulation  62. What is the use of build() and perform() in Actions  63. How you will check the actual vs expected result  64. Xpath Axes,Ex: Following.  65. Automate Menu and Sub Menu and click on link in Sub Menu and navigate to the page and click on an element.  66. Syntax for Alerts  67. How will you generate Reports  68. What is the execution time of your test cases  69. Print a Reverse Pyramid  70. Go to frame and click on the upload button and select the file which is in this directory  71. Difference between PUTS and POST in API  72. Read data from Excel and given that data as input for login and password and click on submit and validate the popup which says Login is successful  73. Read data from two text files and compare if they are same or not.  74. Read data from an Excel file and compare the data to the web table and check whether it is same or not.  75. Select multiple option from the dropdown.  76. Explain Defect Lifecycle.  77. How many people are working in your project,what all teams are there.  78. What is your role in your project.  79. How often Daily Traige Call will happen and what will be discussed.  -------------------------------------------------Deloitee interview Questions--------------------  1. Tell me about yourself.  2. Are you working on manual+ automation or only automation?  3. What tools you have used in your project so far?  4. Explain bug life cycle. What priorities do you give while raising a bug?  5. What is a defect triage call?  6. If in a sprint two user stories have some conflict, what will you do?  7. Have you worked on BDD framework? Why BDD is preferred over other typical frameworks.  8. Write a feature file for login scenario.  9. Are you working on creation of framework from scratch or you just modify the existing framework?  10. What is a test runner file?  11. What is POM.xml file? Why it is used?  12. What is a testNG.xml file? What is the benefit of using a testNG framework?  13. What is a hybrid framework? What are the components of a framework?  14. What are the benefits of creating a framework? Why POM approach is preferred?  15. Have you worked on data driven framework? WAP to fetch data from a excel file, just tell me code.  16. From what type of files can we obtain test data?  17. How to find broken links in selenium?  18. What are test listeners in selenium? What are the different types of test listeners?  19. What is frame is selenium? Lets say I have 3 frames, then how I can go to the 3rd frame from 1st frame? And how to come back to 1st frame?  20. Have you worked on database testing? How many types of joins are there? What is the use of joins in SQL?  21. What is the difference between cross join and inner join?  22. Suppose I alter the table, then I dropped the table, then I did rollback, what can be the output?  23. What is maven in selenium? How maven is useful?  24. What is a build life cycle in Maven?  25. What are the qualities of a good build too? On what basis you will select a build tool?  26. What is a wrapper class in java?  27. What is the difference between array and collections in java?  28. What is the difference between Final, finally, finalize?  29. What is the difference between SOAP and REST?  30. What are the different methods used in web services?  31. Have you worked on GIT? What are the commands in GIT?  32. What is the overall check in checkout procedure in GIT?  33. What are the exceptions that you have encountered in selenium?  34. What are different types of testing?  35. Tell me the annotations in testNG by order of execution?  36. What are the pop ups in selenium? How to handle windows windows based pop ups?  37. Can we handle user session in selenium?  38. How to capture screenshot in selenium? Tell me the code.  39. Do you know any scripting language like VB script? Java script?  Can you automate web services using rest assured ?   |  |  | | --- | --- | |  |  | |  |