**Why you want to be a software tester? What motivates you on a regular basis like why you should go for software testing career?**

Whenever I see some softwares, I can immediately install in my mobile and start testing those software and analayse the software.

I am very curious about software testing, I am passionate in software testing, that’s why I want to make career into software testing

**Mention some popular tools used for automation testing?**

Selenium, cypress, cucumber, playwright

1. **What are the Automation framework your currently used?**

🡪pom object model to design my framework, we are using maven ,test ng and cucumber for continuous integration, jenkinks , also git to push our code on daily basis.

2. **How Many test cases do you automated in a day?**

* It depends on the requirements, specifications and depends on functionality, according to that we are automating, not particular time for it, it will decrease or increase

1. **What do you mean by maven repository?**
2. **Various type of maven and repository?**
3. **in selenium automation element is not loaded completely?**

🡪 We can use implicit wait or explicit wait for load the element

**7.if element is not clickable?-search**

🡪 this happen in chrome

Refreh the page

**8.session cannot be connected exception? If the code is working in all browsers except chrome, what u will do?**

The reason is chrome browser version is changed, that’s why it shows an exception

**9. What is the difference between data driven framework and key driven framework?**

🡪we get data from excel file/txt file (ddf)

🡪test logic will be divided into keywords and functions, keywords define the test scripts, keywords should act as a function to implement the desired behaviour, login is one of the keyword logout is one of the keyword

🡪some organization go for data driven framework and some organization go for key driven framework

**10. test scenarios of ecommerce website?**

**11.timout of testing?**

**@**Test(timeout=5000)

Mention the time out in milliseconds for example 5000 milliseconds means 5 seconds, if you run program as a suit level it will take longer than 5 seconds to execute otherwise it will mark it as a failure.

**12.Can you tell us about your automation framework?**

**13.which is tool are you using for continuous integration?**

**14.can you explain me your day to day responsibilities , how do you run your automation framework?or triggering your automation framework?**

[Create a testcases and run in eclipse🡪if pass->push it to the git repository->get the project url in git🡪go to Jenkins ->new item->choose git and pase the repository url and start build]

[there is option available in Jenkins ,automatically run our suite, everyday I go for office , if I check a mail, the report over there, because, I already scheduled my project run in Jenkins), in Jenkins automatically send a report the corresponding email

**15.to the release time, how the automation run via Jenkins?**

Basically devOps team take care of it.

16.**jenkins various stages?**

**stages**

* development code will download from the git ,which ever tool the developer are using
* machine would get created it is also dependent on the OS
* your automation code get downloaded
* installation of the product
* entire automation suite get executed
* email would be configured for stakeholder, manager and etc.

**17.can we create a html report is generated by Junit?**

**18.which selenium version are you using?**

**19.are you aware about selenium. 4.0?**

🡪Improved Selenium Grid

🡪 New W3C WebDriver Specification

Current selenium version----4.4.0

**20.what are the new locators added in selenium in 4?**

* Above
* Below(locate the webelement below)
* To left of
* To right of
* Near

**21.what is the importance of testNg xml file?**

Used for parametrization

Allow to put the priority

Allow the groups and parallelism

22.**what is the testing assert?**

**23.change in the requirement from the project manager , two feature into your product ,disabling the one of the feature,developer also disable the feature from the product, how will you manage the test suite? Will discard your entire test suite or how will you manage these things?**

Enable=false

**24.how do you find the broken links or broken images in e commerce website?**

200-ok

404-not found

400-bad request

401-un authorized

**25.consider there is a application you have to automate using selenium,it has got a image, how will you automate it?**

There is a jar file is avaliable called **sikuli**,you can add in your eclipse, capturing the image of the particular object and then it would make a click on it, use AutoIt also

**26.how will you handle the security certificate error?**

Class called desired capability

**27.what is final keyword?**

It is associated with final variable, method and class,

* Final variable will not have a value, I’m not initialized at the time of declaration , it is also called blank or uninitialized final variable
* Final variable initialized only in the **constructor**.

**28.check whether the string is palindrome or not?**

->positive scenario---madam

🡪negative scenario—sadhana

**29.difference b/w absolute path and relative xpath?**

Relative xpath is mostly used, it is reliable, it saves our time.

**30.which are the different exceptions that you have faced so far, while doing automation and selenium and how do you overcome that?**

**31.what is stale element reference exception?**

**32.what is the size of your team in your current project?**

We are following like safe agile , process

**33.what are the different methods that you will use for window handling in selenium?(difference b/w window handle and window handles)**

* getWindowHAndle
* getWindowHandles
* switchWindow

**34.if you get a desktop or window based pop up within your web application then how will you automate that, it is possible to automate that particular pop up**

You can use alert

**35. There is a window based application that is integrated with web based application, then how will you automate it?**

It is not possible in selenium but it work arrounds

If you have to automate the window based application , you can use third party tool like Sikuli , so based on Sikuli will capture the image and it will perform the click option so you integrate it with selenium and you can run in the automation.

**36.what are the limitations of selenium and how will you overcome that?**

We cannot modify or change the automation framework, which we have started or made such particular things. So we can use powershell or Sikuli so it will help you to get the expected output as well.

**37.There is a project that you are doing manual testing and it has what almost hundred test cases for automation , still now none of the test case has been automated and we have around about 100 test cases for automation. Now what will be your approach? What will be your strategy for automation which test case will you target first?**

* I will be going to the high priority test cases of scenario(if we have a limited time)
* Discuss with the team members

**38. There is a scenario where you have to test that the website is under maintenance 12 to 2 pm, so what can be the possible test cases? How will you test? This scenario?**

* [First you have to check the link is working or not(broken or not)
* The graphical design should be proper that every person should be able to read .
* Check the application is being slow or not
* Check whether the same functionality is working in other browser or not(cross browser checking)
* Check the components is working or not like login or logout(facebook)
* Go for critical feature first(priority)]

**Correct answer:**

Saturday or Sunday some upgrades are opening so the moment you open the website it show some japanise and other languages, so that message could come in that particular languages, none of the feature should be working from backend as well, even if you hit the API and your account should throw you out,so it is not working for 2 hours

**39.what is BDD FrameWork?**

Non programmers also write the scripts.

**40.why do we go for BDD FrameWork?**

If we write coding or something, the non programmer or business analyst are not understanding what we write, so to understand non programmer and business analyst and domain admin so we can write simple English language to understand for them(gherkin)

**41.what is feature file?**

42.**what is a test runner file in BDD?**

Test runner file we mentioned the test definition location by using glue keyword and feature file locations

**43.what is the purpose of scenario outline in cucumber?**

🡪you will be able to parameterized the scenarios, you would need to execute

Some particular test script with multiple set of data.how ever the test step remains the same

**44.java programs—no of occurrences and count like, “testing” t=>2 times.**

**e->1 time like this**

**45.automate amazon website, login and search any product and print the no of results?**

Use list<Webelement> link=;

Link.size();

**46.which interface is implemented by hashtable?**

Map interface

**Which class has been inherted-🡪**

dictionory class

**47.what is TEstNg?**

Testing.xml file, it will be control the all test cases

**48.what is default priority assigned to the testcase in testing?**

0

**49.if two test cases are there, one test case is having priority=2, another test case is having priority=0, so which test case will get executed first?**

The priority which is assigned with 0, that will be executed first, then only priority =2 will be executed.

**50.if both test cases are having same priority =2 then which test case will executed first?**

So in that case test case will execute in order to alphabetical order.

**51.how can we run a test method multiple time in a loop?**

Invocation count=4; parameter

**52.what will you do testNg only? How will you fail the test case? Does not executed with specified time?**

**@Timeout** attribute is there, you can assign a value to this timeout attribute

Does not get executed within this particular time frame, then it will fail with a timeout exception.

**53.how will you skip a test case conditional in testNg?**

🡪way using skip exception , you can conditionally skip a test case.

🡪enabled=false

**54.what is the use of listener as annotation?**

**55.what is I test, is it interface or class?** Interface

**56.how can we run test cases in parallel using testNG?**

It can be applied at method class leve, method level or suite level

🡪you can also mention thread count, no of thread

🡪you want to run simultaneously.

* These two key value pairs inside the suite tag of the Testng xml file
* One pair is parallel, and another one is thread count

**57.diff b/w factory and data provider annotation?**

* factory method, it will also create instance of test class and run all the test methods within that class with different set of data.
* While data provider is bound to individual test methods only, while factory if you declare a factory annotation , it will run all the test methods within that class, while data provider is just limited 1 to 1 test methods only.

58.**if you have automating using selenium, so any challenges that you faced so far?**

* **The** limitations could be , strong internet connection is required , I have faced issue in basically regards to internet connection.
* **And also it cannot perform testing an**  images, if there is any image on our website, and we wanted to check any bug or something, it is not possible to perform test on that.

59**.have you heard about Sikuli?**

If you integrate selenium with some other library , then it can be overcome , of image based automation is there, so you can use Sikuli over there, it is a open source library.

**59.how can we locate an element by only partially matching the value of its attribute in xpath?**

* Partial linkText
* Regular expressions
* Contains method

**60.how will we locate an elements using their text in xpath? Is there is any method?**

Yes, //tagname[text()=’value’]

**61.diff b/f absolute and relative xpath and which is reliable?**

**62.if I want to move to the parent of an element using xpath, so can I do that?**

* First we will write xpath for child, and then we will write single forward slash and parent :: name of parent tag

**63. if I want to find the elements using CSS selector , so what is the syntax of that?**

**64.we write WebDriver driver=new ChromeDriver(), what is the meaning of this line?**

**65.which are the different browser drivvers are available? Which one is the fastest of them?**

Chrome driver is fast

**66.have you heard about html unit driver?**

Html unit driver one of the fastest among all these chrome, firefox, edge and all

**67.what is the fundamental difference b/w xpath and css selectors?**

* We can using xpath we can traverse up in the document like we can move to the parent elements
* Whereas using css selector we can only move downwords in the document

**68.what is the use of driver.get url?**

**69.if I want to type a text in a text box using selenium, any method is there to do that?**

Sendkeys

**70. how will you check the check box is selenium?**

IsSelected

**71.is it possible to switch between multiple windows and selenium?**

Yes , driver.getWindowhandle and windowHandles

**72.if I want to refresh a browser , what ate the different ways to refresh a browser?**

* Driver.getUrl
* Driver.getCurrentUrl
* Driver.navigate().to.refresh

**73.have you heard about mocha?**

Mocha is basically nothing but javascript test framework for node js programmers

**74.what is page factory?**

**75.can you tell the high level testScenario? How will you test the BestBuy Application(when I share the projects in self introduction)**

* Tell about positive and negative scenarios
* Tell about login and log out functionality
* Apart fram login and log out you have to share the other main modules like search the product, add to cart, deal of the day and all
* Try to tell more scenario

**79.reverse a string program**

**80.explain the line StringBuilder sb=new StringBuilder();**

**81.what are the challenges/limitations in selenium?**

* Basic knowledge of any of one of the programming language
* We cannot automate OTP
* We cannot automate captcha and image kind of things
* Selenium won’t be able to automate window based applications

**82.what is the return type of find element and findElements?**

**83.real time example of abstraction and interface?**

ATM-abstraction

Vehicle-Interface vehicle is a parent class, 2 wheeler ,3 wheeler ,4 wheeler is a child class

**84.what is the difference b/w abstract class and interface?**

**85.diff b/w method overloading and overriding?**

**86.what about the parameters?**

* In method overloading parameters are different
* Method overloading perform within the class

In method overriding the parameter and all the class name and method name will be same

Method overriding perform in two classes in easier relationship

**87.diff b/w testcase and test scenario and test data?**

**88.various fields while writing testcases?**

You no need to mention the severity

**89.where you have to test a particular file, upload file functionality , so you have got a web application, and there is a button which you have to test, once you click on that button, the file get uploaded. Now you have to test particular functionality, this particular upload file functionality so can you tell me high level test scenarios, positive as well negative**

* You have to test various file types that are available, excel, png and zip file , war and jar files is there
* The 2nd scenario that you can test is multiple version of same software, so you can test whether .doc file type is getting uploaded at the same time,
* You have to check file size(you can use boundary value analysis)
* Neg Tc🡪 if we crossed beyond the limit , you getting some error message
* if you upload a multiple file at a time, if u upload a single file that’s fine, if multiple files it is giving some validation message
* if internet is there, if wifi internet is there, so file upload is working, if your device connected to mobile hotspot the file upload is working

**90.why this test case priority is important?**

**91.now consider the water bottle, you have been given a water bottle for testing, and you found some defects with respect to water bottle of high severity and low priority? High priority and low severity?**

**92.what is agile?**

You can tell about scrum, sprint iterative approach and all

**93. can you tell me high level test scenarios of gmail.com, how will you test the gmail application?(you have to tell more scenarios 3 mins compare all the testing)**

* You can check the login functionality
* User is able to send a mail
* User is able to receive a mail
* You have to check compose functionality
* You have to check forward and reply functionality
* You have to check spam folder functionality
* You have to check delete functionality
* you have to check file uploading while you send a mail for particular person
* you have to check settings functionality

**94.let say you have joined some particular organization, after few days they take you in particular project, and then they want you to start testing from the very first day you are not given any training, anything, you are given an access to some particular website and you are told to start testing from very 1st day, so what will be your approach?**

* In this case I want to do exploratory testing
* There will be some reference application that is available based on that I will start testing
* You can take the test cases from their test case management tool, I caqn start executing the particular test cases
* You can test end user point of view like for example search box how many characters are accepted, 0 to 50 like that

**95.what is acceptance testing and who will do beta testing?**

Determined whether the software is suitable for deliverable or not(acceptance)

**95.if you have installed a chrome browser and you have got a path of chrome driver exe also present in your machine. And still you are getting exception of launching the website in chrome browser?**

May be its not updated version of chrome, you have to take updated version of chrome

🡪browser version and chrome version both should be updated.

**96.how many parameters do we need to give in driver.close() and driver.quit()?**

Both the commands don’t take any parameter or any values

**97.how to handle window based pop up using selenium?**

No, it is not possible , so you can use autoit based tool and you can use robot class to handle these pop ups and powershell(open source)

**98.if I have to perform right click on some particular web page, is it possible to do it in selenium?**

Using action class

**99.how will you take screenshot in selenium?**

**100.what is acceptance testing?**

If they can test their requirements, whether they are being fulfilled , whether they are being achieved or not, that is acceptance testing.

**101.diff b/w black box and white box testing?**

Black box----tester

Whitebox--developer

**102.give me an example of low severity and high priority? Any defects you have found in the application.**

A spelling mistake in the website's name on the main page is considered a High Priority issue. Although it does not affect functionality and can be marked as Low Severity, it negatively impacts the website's reputation. Therefore, fixing it is of the highest priority.

**Ex: High severity and low priority**

Web page not found when user clicks on a link (user&#39;s does not visit that page generally)

🡪there is a feature in an application , in a s/w the exceptions is happening or crash is coming but that feature we are going to release after 2 months so the severity is high because crash is there, exception is coming but the priority is low because for now that is not a high priority from the customer point of view for this release. After 2 months release, we are going to live with that feature then it will be the higher priority.

**Low priority and low severity**

Any cosmetic or spelling issues which is within a paragraph or in the report

**103.example of performance and load and stress testing?**

**104.which testing you will do first?**

Smoke testing

**105.what is forward traceability matrix and backward traceability matrix?**

**106.what is pojo class in java?**

It is old one, for example a candidate name, address we have to write it string or integer and we have to convert it to a getter and setter method

**107.what are the major challenges that you have faced in the api testing?**

* First you have to arrange that the dependency sequence first without executing API1 and API2 might not give you the result, and not give you the proper response
* Data validation.
* Difficult to isolate b/w pass and failed things

**108.difference b/w array and arraylist?**

* Array size is fixed we cannot extend the memory, it will give you array out of bound exception
* In array list we can add N no.of values

**109.which are the data types that are supported in array and arraylist?**

* **In array—**primitive type and object type
* **In arraylist—only** primitive types

**110.can we make constructor as private?**

by using the private access specifier.

**111.can you explain the concept of page factory and its implementation?**

Page Factory is a class provided by Selenium WebDriver to support Page Object Design patterns.

🡪implemented using @findBy annotation

**112.advantages of page object design pattern?**

🡪if we have a multiple webpages with this, every single webpage, we can create a separate class and we can store all the web elements in that, so tomorrow the developer will change a particular element so we can directly go to that page and we can find it.

🡪maintenance is easy

**113.what are the different ways to write a programme for reverse a string?**

**114.what do you mean by packages? What are the types?**

**115.which package is imported by default?**

Java.lang

**116. can a class declare as private be accessed outside its package?**

No

**117.can you write a code to read data from excel sheet?**

**118.what are the oops concept used in selenium?**

**119.if any user story id is assigned to you and you have to estimate that particular story, how much time you would take to automate that particular user story? So what basis will you estimate that required?**

When I get the user story first I will review the business requirement exactly what is there. Then I will write the test scenarios, and after that I will write the test cases and commit the test cases, the test cases which are repeating number of times then I will do automate.

**120.have you done non functional testing?**

No(search)

**121.what is the benefit of inheritance?**

**Code reusability-🡪**whatever methods are variables, you created in the super class instead of creating them in the subclass again, so you just extend the class and continue with the sub class

**122.when do you use static keysword?what is the purpose of using static?**

**123.if I need to mention the default access modifier?**

**124.i have a class and I created one method, I am not specified any access modifier for that method, so what will be considered how it will consider?**

It consider to take default.

**125.if I created a interface, I created method, abstract method whatever so what is an access modifier by default?**

In interface by default the methods are public

**126.in java we work with some exceptions. So why we need to handle exception?**

**Example**  in exception handling file(refer)

🡪handle the exception in try catch block

**127.i have a statement in java program so that is throwing some exception and I know it is throwing some exception and I should handle that okay? But I don’t know that exception, so in that case how we handle that exception?**

We will say only Exception class in the try catch block.

Try

{

}

Catch(Exception e)

{}

128.**write the program split the sentence?**

**129.what is the return type of split method?**

Array

**130. given 3 string, I need an output like concatenate the 3 strings and print it as a sentence?**

**I don’t want to use 2 variable for concatenate, I need to concatenate in one variable?**

String res= str+” “+str2+” “+str3;

System.***out***.println(s1.concat(s2).concat(s3));

**131.what is your role in your automation? What exactly you do in automation day to day basis?**

**132.what is your contribution in your automation? Have you involved in the framework?**

**133.you have 100 test cases, manual test cases are there. So you want to exclude some test cases, you will not automate our 100 testcases every time , so you wont exclude some test cases for automation so on what are the test cases? You will exclude?**

**For ex: 100 tcs,🡪90 for automation 10 for manual on what basis you exclude these 10 test cases.**

**134.i have used, get text methods for link or some label or some other element other than text box so what this will return?**

🡪it will return the text displayed as the link's anchor text.

**135.when do use wait statement in automation?**

**136.what is the desired capabilities? So where do you use it?**

🡪you need a capabilities do specify the configuration of like browser version, browser name, operating system version number, If you want to specify all these kind of configurations so you need to specify desired capabilities.

**137.which format you specify that capabilities, is there is any format to specify?which format of data it will accept?**

**🡪**it will take the data for key and value pair.

**138.when do we get Stale ElementReferenceException?**

**🡪**It occurs due to the absence of an element from the DOM.

if I refresh the page, the element get old, so it is stale

**How to fix:**use try catch block

**139.if I have a drop down and how to find number of options present in the drop down?**

**🡪**List<WebElement> ele=driver.findElements();

Syso(ele.size());

//2nd method

WebElement dropdownElement = driver.findElement(By.id("dropdown")); // Select select = new Select(dropdownElement);

int numberOfOptions = select.getOptions().size();

**140.what are the methods you have used from apache POI in your automation?**

* Get sheet()
* Get sheet Value()
* Get rows()
* Get cell()
* Get cellValue()

141.**what are the main features you have used in your project? Framework?**

* Priority
* Dependson method
* Data provider
* Parameters

**142.in my test I have multiple test methods are created, lets have 10 methods are created, so I want to execute them in proper order?**

Default—executed in alphabetical order

🡪if 10 test cases are ther I will put priority, it will executed based on the priority

**143.if i have 2 methods created. And one method I have not provided any priority and one method I given priority is 1, which order the test methods will execute?**

**🡪it** will executed first if im not provided any priority , because it considered as 0

Then priority 1 will executed.

**144.what is uses of annotations?**

🡪used to control the order of execution

**145.what is the use of xml in testNG? What is the main role of xml file in testNG?**

* **Groupings**
* Parallel
* Parameters

146.**i have a test case and xml file , I want to execute my test case using xml file, at the same time I want to pass some parameters from xml file to the test method, so how we can pass?**

Using @Parameters<>

**147.what is testNG listeners?what is the use?**

**🡪B**asically it executes after completion of execution like after test method passed or failed or skipped whatever, so after that test listeners methods will trigger.

**148.what are the type of listeners? And listener methods?**

**149. you have involved in framework right? So you know how to start designing the framework from the scratch?**

**What is an object repository?**

It can capture the web elements, which can be reusable for the different test cases or scripts

🡪contains all the web elements into one location

**How to implement page repository?**

Using page object model we can create object repositories

**What kind of framework you worked on?**

Data driver and key driven

**What are the components you have in your framework and how things will happen in your framework?**

🡪Basically I used the programming languages java in order to start

🡪We need some prerequisites, like test data

🡪Based on the framework I am going to create POM.xml file

And configurations

🡪in utility files I have excel files, report and screenshot and all

🡪run as Testng also maven test

🡪we can run xml file also

**Pom.xml file contains?** Dependencies and plugins

**How to run pom.xml to command prompt?**

**Do you know any maven commands?**

**How you generated the reports?**

150.**what are all the test scenarios of Myntra?**

1. It’s a web application
2. Checking the login functionality with valid credentials
3. Click ok continue. And get the OTP after that I will navigate to the home page
4. Then I will check the modules like men, women,kids and all
5. I will check the logo of Myntra, so I will be checking whether it is according to the requirement or not. If there are any spelling mistakes that will be the usability testing that I can do.
6. Checking the search functionality and search icon is there or not
7. Add to cart and wishlist and payment process
8. Checking the terms and conditions (till now I have done positive testing)
9. Then I do smoke testing like click button
10. Then I will go for integration testing I understand each and every module whether there is data floe b/w the modules
11. Then I will be checking the feature is working as expected or not.
12. If im searching a product it show some results right that is also calling integration testing, if not show any results it considered as a bug
13. Then check invalid credentials
14. In phone number field if im giving any alphabets it could not accept, if accepts it should be bug
15. Combination of special characters with numbers(negative)
16. How much seconds the website is getting loaded completely , so that will be performance testing , if I the loading get more time it should be defect
17. I will be comparing with similar kind of application that is released in the market like amazon, so similar kind of features will be work so I can do comparison testing
18. I try open the website in different kind of browsers so I can do compatibility testing
19. I will be testing recovery testing that if I have opened the website for 30 mins it should throw some pop up or message it should automatically closed.
20. Also penetration testing will do for security purpose
21. You can check +91 country
22. Check the coupon code
23. If you entered less number in phone num field(neg ) then you are getting user friendly message
24. You can also test concurrent testing, 10 members try to login together

151.**say your application developed for England now clients want to release their app in Europe they want the app to be developed in Spanish German and French functionality remains the same write the separate test case for each language? how many times will you execute the test cases?**

I will do globalization testing

1. No need to execute separate test case for each language
2. Rather discuss with developers and team members on how they are planning to implement the change in the code.

152.**unable locate the element in selenium webdriver , what will you do?**

**🡪**you can use **selenium wait method**s, using webdriver wait to load the whole document and locating the elements

**153.what is svg element? How will you deal with this element?**

**SVG-**Scalable vector graphics.

🡪SVG elements are captured using xpaths created from HTML attributes.

🡪SVG mainly used for vector type diagram, graphs , pie charts and etc.,

🡪SVG elements are not captured by selenium ide

**154. are aware of selectors hub?**

**155.write java program for 2d array 3 rows and 3 columns?**

Int a[][]=new int[2][2];

A[0][0]=12;

Syso(Arrays.toString(a));

**156.what kind of exception you have seen in java?**

**157.two types of exceptions in java?**

**158.can we keep the statements after finally block? If the finally block returning the control?**

It will give you unreachable code error, because you cannot keep the statement after finally block. So compiler will not see the statement

**159.thus finally block get executed if either try or catch blocks are returning the control?**

Yes

**160. lets say you have developed one automation script, it was running fine on Friday. But on Monday it is not running so what can be the possible reasons of the failure behind it?**

* One is dynamically changed the element
* Browser version is changed