



**BIX**  
ACCELERATING DREAMS

# Selenium Interview Questions

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1. DESCRIBE FRAME WORK DESIGN & OVERALL FLOW DIAGRAM USING IN YOUR PROJECT.
2. HOW TO HANDLE WINDOWS AUTHENTICATION POPUP WITH & WITHOUT USING THIRD PARTY TOOL.
3. WHAT ARE DIFFERENT TYPES OF EXCEPTION IN SELENIO WEBDRIVER?
4. WHAT ARE DIFFERENT TYPES OF METHODS IN SELENIO?
5. CAN WE ENTER TEXT WITHOUT USING SENDKEYS() IF YES, HOW?
6. WRITE A PROGRAM FOR STRING REVERSE. (IMP)
7. WRITE A PROGRAM FOR FIBONACCI.
8. WRITE A PROGRAM TO CHECK WHETHER A NUMBER IS PRIME .
9. HOW TO FIND MORE THAN ONE WEB ELEMENT IN THE LIST?
10. WHAT IS THE DIFFERENCE BETWEEN DRIVER.CLOSE() AND DRIVER.QUIT COMMAND?
11. DIFFERENCE BETWEEN FINDELEMENT/FINDELEMENTS ?
12. HOW TO COUNT THE NUMBER OF LINKS IN A PAGE ?
13. DOES JAVA SUPPORTS MULTIPLE INHERITANCE ?
14. DIFFERENCE BETWEEN ASSERT AND VERIFY IN SELENIO WEBDRIVER
15. HOW TO TAKE A SCREEN SHOT USING SELENIO WEBDRIVER ?
16. HOW WILL YOU EXECUTE YOUR LOGIN SCRIPT USING CHROME BROWSER FROM YOUR EDITOR USING SELENIO?
17. CAN WE USE MULTIPLE CATCH IN TRY, HOW?
18. DIFFERENCE BETWEEN WEBDRIVER/FIREFOXDRIVER ?
19. WHAT IS THE DIFFERENCE BETWEEN "GET" AND "NAVIGATE" TO OPEN A WEB PAGE IN SELENIO WEB DRIVER?
20. HOW CAN WE GET THE FONT SIZE, FONT COLOUR ,FONT TYPE USED FOR A PARTICULAR TEXT ON A WEB PAGE USING SELENIO WEB DRIVER ?
21. HOW DO YOU MANAGE THE CODE VERSIONS IN YOUR PROJECT ?
22. HOW DO WE HANDLE DYNAMIC ELEMENTS WITHOUT USING X PATH ?
23. HOW TO HANDLE ALERTS AND CONFIRMATION BOXES.
24. HOW TO HANDLE COLOURS IN WEBDRIVER ?
25. HOW TO PRESS SHIFT +TAB ?
26. HOW TO TAKE A SCREENSHOT IN SELENIO.
27. IS THERE A WAY TO CLICK HIDDEN LINK IN WEBDRIVER.
28. LOGIN FOR GMAIL SCENARIO ?
29. WHAT ARE THE TECHNICAL CHALLENGES THAT YOU FACED WITH SELENIO?
30. DIFFERENCE BETWEEN FLEX AND FLASH APPLICATION
31. WHAT CLASSES EXTENDS WEBDRIVER
32. WHAT IS ACTION CLASS IN WEBDRIVER ?
33. WHAT IS SELENSE
34. WHAT IS SIDE
35. WHAT IS THE HIERARCHY OF TESTING ANNOTATION
36. WHAT IS SELENIO? WHAT ARE THE DIFFERENT SELENIO COMPONENTS?
37. WHAT IS AN XPATH?
38. HOW TO REFRESH A PAGE WITHOUT USING CONTEXT CLICK?
39. HOW TO HANDLE AUTOCOMPLETE BOX IN WEB DRIVER?
40. DIFFERENCE BETWEEN THE SELENIO 1.0 AND SELENIO 2.0 ??
41. HOW TO SWITCH BETWEEN THE WINDOWS (GETWINDOWHANDLE AND GETWINDOWHANDLES)

42. **WRITE A CODE FOR NUMBER OF CHARACTER IN STRING ?**
43. **HOW TO READ PARTICULAR CELL FROM HTML TABLE**
44. **HOW TO CONNECT JAVA APPLICATION WITH ORACLE DATABASE**
45. **HOW TO SWITCH BETWEEN FRAMES IN SeleniUM WebDRIVER**
46. **WHAT ARE THE DIFFERENT TYPES OF LOCATORS IN SeleniUM ?**
47. **HOW TO HANDLE AJAX POPUP WINDOW**
48. **DIFFERENCE BETWEEN INTERFACE AND ABSTRACT CLASS**
49. **HOW TO CONNECT TO EXCEL CODE FOR EXCEL(POI) API TO READ EXCEL,**
50. **RETRY EXECUTING ONLY FAILED TESTS USING TESTNG**
51. **RELATIVE XPATH METHOD**
52. **Cucumber options and its uses**
53. **Purpose of scenario outline**
54. **TESTING IN MULTIPLE BROWSERS USING SeleniUM AND TESTNG**
55. **FIND OUT BROKEN LINKS ON WEBSITE USING SeleniUM WEBDRIVER AND HTTP CLIENT**
56. **FIND BROKEN / INVALID IMAGES ON A PAGE**
57. **HOW TO HANDLE INTERNATIONALISATION THROUGH WEB DRIVER ?**
58. **PAGE OBJECT MODEL | POM**
59. **TAKING SCREENSHOT ONLY FOR FAILED TESTS**
60. **WAIT COMMANDS IN WebDRIVER**
61. **WHAT IS TESTNG LISTENER ??**
62. **HOW TO SELECT A ELEMENT FROM DROPDOWN ?**
63. **WHAT IS WEBDRIVER EVENT LISTENER ??**
64. **HOW DOES THE SeleniUM WebDRIVER WORK?**
65. **HOW DO YOU CREATE HTML TEST REPORT FROM YOUR TEST SCRIPT**
66. **HOW DO YOU HANDLE HTTPS WEBSITE IN SeleniUM**
67. **HOW THE TESTNG INTERACT WITH SeleniUM CORE**
68. **HOW TO CHANGE USER AGENT IN FIREFOX BY SeleniUM WebDRIVER**
69. **HOW TO READ PARTICULAR CELL FROM HTML TABLE**
70. **HOW TO CHECK ALL CHECK BOXES IN A PAGE**
71. **HOW TO DISABLE COOKIES IN A BROWSER**
72. **HOW TO GET THE NAME OF BROWSER USING WEBDRIVER?**
73. **HOW TO HANDLE AJAX POPUP WINDOW**
74. **HOW TO HANDLE AUTO COMPLETE BOX IN WebDRIVER**
75. **HOW TO HANDLE NETWORK LATENCY USING SeleniUM**
76. **HOW TO KNOW ALL THE METHODS SUPPORTED IN WEBDRIVER AND ITS SYNTAX**
77. **HOW TO LOGIN INTO ANY SITE IF ITS SHOWING AN AUTHENTICATION POP UP FOR USER NAME AND PASSWORD DURING LAUNCH OF THE URL**
78. **HOW TO MOUSER HOVER ON AN ELEMENT**
79. **HOW TO PASS PARAMETERS FROM TESTNG.XML INTO TEST CASES**
80. **HOW TO PERFORM DOUBLE CLICK USING WebDRIVER**
81. **HOW TO PREPARE CUSTOMIZED HTML REPORT USING TESTNG IN HYBRID FRAMEWORK**
82. **HOW TO PUT TEXT IN ANY SEARCH BOX USING SeleniUM WebDRIVER**
83. **HOW TO REFRESH A PAGE WITHOUT USING CONTEXT CLICK ?**
84. **HOW TO RUN TESTS IN MULTIPLE BROWSER PARALLEL (SELENIUM GRID)**

85. HOW TO STORE A VALUE WHICH IS TEXT BOXES USING WEBDRIVER ?
86. HOW TO SWITCH BETWEEN THE WINDOWS
87. HOW TO TYPE NEXT IN A NEW LINE INSIDE A TEXT AREA
88. HOW TO WORK WITH DYNAMIC WEBSITE
89. HOW TO WORK WITH RADIO BUTTON IN WEBDRIVER
90. HOW WE CAN RETRIEVE THE DYNAMICALLY CHANGING ADS
91. IF A SELENIUM FUNCTION REQUIRES A SCRIPT ARGUMENT ,WHAT WOULD THAT ARGUMENT LOOK LIKE IN A GENERAL TERMS ?
92. IF TESTNG I HAVE SOME TEST'S TEST-1 TEST-2 TEST-3 TEST-4 TEST-5 I WANT TO RUN MY EXECUTION ORDER IS TEST-5 TEST-4 TEST-3 TEST-2 TEST-1 .HOW DO YOU SET THE EXECUTION ORDER CAN YOU EXPLAIN FOR THAT ?
93. LATEST VERSION OF FIREFOX AND SELENIUM IN MARKET AND THE VERSION ON WHICH YOU ARE TESTING
94. LIST THE BROWSERS, OS SUPPORTED BY THE SELENIUM
95. PLEASE TELL ME THE DIFFERENCE B/W IMPLICIT WAIT AND EXPLICIT WAIT
96. PROVIDE DETAIL ABOUT TESTNG TEST OUTPUT FOLDER.
97. SUPPOSE DEVELOPER CHANGED THE EXISTING IMAGE TO NEW IMAGE WITH SAME X PATH .IS TEST CASE PASS OR FAIL
98. THERE IS A SCENARIO WHENEVER "ASSERT.ASSERTEQUALS()" FUNCTION FAILS AUTOMATICALLY IT HAS TO TAKE SCREENSHOT .HOW CAN YOU ACHIEVE THIS
99. WHAT ARE OOPS CONCEPT
100. WHAT ARE BENEFITS OF USING TESTNG
101. WHAT ARE BROWSER SUPPORTED BY SELENIUM IDE
102. WHAT ARE DIFFERENT ACCESS SPECIFIER IN JAVA
103. WHAT ARE THE DIFFERENT ASSERTIONS OR CHECK POINTS USED IN YOUR SCRIPT
104. WHAT ARE THE DIFFERENT PARAMETERS FOR @ TEST ANNOTATION
105. WHAT ARE DIFFERENT TYPES OF DRIVER IMPLEMENTATION
106. WHAT ARE THE FEATURES OF TESTNG?
107. WHAT ARE THE OPERATING SYSTEM SUPPORTED BY SELENIUM
108. WHAT ARE THE POSSIBLE SCENARIOS WHERE SELENIUM FINDING ELEMENT GET FAILS
109. WHAT IS THE BASIC USE OF FIREFOX PROFILES AND HOW CAN WE USE THEM USING SELENIUM
110. WHAT IS THE DEFAULT TIME FOR SELENIUM IDE AND WEBDRIVER
111. WHAT IS THE DIFFERENCE B/W GET WINDOW HANDLE AND GET WINDOW HANDLES
112. WHAT IS DIFFERENCE BETWEEN GET AND NAVIGATE TO OPEN A WEB PAGE IN SELENIUM WEBDRIVER
113. WHAT IS DIFFERENCE BETWEEN @ BEFORE METHOD AND @ BEFORE CLASS\
114. WHAT IS DIFFERENCE BETWEEN ABSOLUTE PATH AND RELATIVE PATH
115. WHAT IS DIFFERENCE BETWEEN DRIVER.CLOSE AND DRIVER.QUIT
116. WHAT IS DIFFERENCE BETWEEN SELENIUM RC AND WEBDRIVER
117. WHAT IS DIFFERENCE BETWEEN SINGLE AND DOUBLE SLASH
118. WHAT IS DIFFERENCE BETWEEN THREAD.SLEEP() AND SELENIUMSETPAGELOADTIME("2000")
119. WHAT IS DIFFERENCE BETWEEN THREAD.SLEEP() AND SELENIUM.SETPAGELOADTIME()
120. WHAT IS MOST CHALLENGING TEST PROBLEM IN MY CAREER AUTOMATION
121. WHAT MOBILE DEVICES IT SUPPORT
122. WHICH ARE THE DIFFERENT METHODS TO LOCATE AN ELEMENT
123. WHICH ONE IS BETTER ONE XPATH OR CSS
124. WHICH REPOSITORY YOU HAVE USED TO STORE THE TEST SCRIPTS
125. WHY WE REFER FIREFOX DRIVER TO THE WEBDRIVER INHERITANCE
126. WRITE A CODE TO MAKE USE OF ASSERT IF MY USER NAME IS INCORRECT
127. WRITE A JAVA PROGRAM FOR SWAPPING OF TWO NUMBERS

128. WRITE DOWN SCENARIOS WHICH WE CAN'T AUTOMATE.
129. DIFFERENCES BETWEEN SELENIUM WEBDRIVER RC, IDE AND RC ?
130. DO SHOPPING IN FLIPKART ?
131. WHAT DOES DESIRED CAPABILITIES DO?
132. WHAT IS ACTIONS CLASS IN WEBDRIVER
133. WHAT IS DIFFERENCE BETWEEN OVERLOAD AND OVERRIDE
134. WHAT IS DIFFERENCE BETWEEN WEBDRIVER AND LISTENER AND TESTNG LISTENER
135. Read particular cell from html table
136. ⇨ Logic for looping the table, xpath to iterate rows & columns
137. Can we run Group of test cases using TestNG
138. Ans:Yes
139. checking mails and deleting them
140. Code for opening firefox browser
141. Does selenium support https protocols ?
142. Downloading a file and save it?
143. Explain any 3 testNG annotation
144. Google search and finding no of results
145. TestNG- Write sample code to select browser depending on parameter given in testing.xml
146. Parameter annotation, how to add system property for chrome/iedriver.exe for chrome & IE
147. How to check result with expected
148. Assert.assertEquals().
149. implicit wait and explicit wait- WebDriverWait or Thread.sleep()
150. Can we execute java code without main()no, only can compile
151. . oops concept and diff between overloading and overriding
152. Find the top from array list(10 number) using java code
153. check logic for **Fibonacci** series, even/odd number, top value from 5<sup>th</sup> number
154. what are the access modifier and difference.public, private, protected, default
155. What is abstract class with example
156. Polymorphism
157. Inheritance
158. Collection-set,list,map
159. Exception-exception,error,assertion
160. OOps-Type casting of object
161. Wrapper classes

Wrapper classes allows us to convert the primitive types into an object type.

Java is not 100% object oriented programming language because of the 8 primitive types. Then wrapper classes are introduced to give the primitive types an object form. So the primitive types can also be stored as an object of its respective wrapper class

The 8 primitive types and its wrapper classes are,

<b>byte.</b>	- <b>Byte</b>
<b>int</b>	- <b>Integer</b>
<b>short</b>	- <b>Short</b>
<b>long</b>	- <b>Long</b>
<b>float</b>	- <b>Float</b>
<b>double</b>	- <b>Double</b>
<b>char</b>	- <b>Character</b>
<b>boolean</b>	- <b>Boolean</b>

all this wrapper classes are available in java.lang package

Now if you want to store an integer as an object type you can write it as

**Integer i=new Integer(10);**

This is known as **Boxing**, converting a primitive type into an object.

Now to get that integer value back,

**int a=i.intValue();**

This operation is known as **Unboxing** converting the value of a wrapper class object into a primitive type.

After java 1.5/5 Boxing and Unboxing became automatic. You can directly assign the primitive as an object of wrapper class.

**Integer i=10;**

Before java 1.5/5, databases stores only Object class objects so to store a primitive type into an ArrayList or Vector wrapper classes are used. Primitive types are converted into wrapper class object through boxing and upcasted to Object type to store in the database.

The significance of wrapper class comes when you want to write a program which will work with any type of value. To write such a program declare the arguments as Object type since Object class is extended by all the other class in java Object class type can store any kind of objects.

Lets take an example, you want to write a program which will work if you pass any kind of values

```
public static void printHello(Object a)
{
    System.out.println("Hello");
}
```

This program will work with all kind of values. Since Object class is the super most class, Object type variable can accept any objects. the wrapper class come into picture when you pass a primitive type value. Imagine you are calling the function with a value 10

printHello(10);

Now the 10 will be boxed and becomes an object of Integer class(wrapper class) since Integer extends Object the method will work fine.

There are many other uses which comes while overriding the build in methods like compare(), equals() etc because all these functions have Object type as parameters.

- 162. Constructor-abstract class
- 163. Fibonacci, String reverse, remove duplicate from array, sort array, find min-max value from array
- 164. JDBC
- 165. TestNG-
- 166. Annotations
- 167. Listeners
- 168. Parameterization/Dataprovider
- 169. Parallel run- threading(XML)
- 170. Factory
- 171. how to create testng.xml programatically
- 172. Webdriver-
- 173. Eventfiringwebdriver
- 174. Capabilities
- 175. IE issues & resolution-6-7
- 176. Exceptions
- 177. Class interface eg.
- 178. Synchronization-waits
- 179. Frame
- 180. xpath, css-functions-contains, siblings, starts-ends with, relative-absolute xpath, nth-child, nth-of-type



## **AGILE QUESTION AND ANSWERS**

1. AS A TESTER WHAT SHOULD BE YOUR APPROACH WHEN REQUIREMENTS CHANGE CONTINUOUSLY?
2. LIST OUT THE PROS AND CONS OF EXPLORATORY TESTING (USED IN AGILE) AND SCRIPTED TESTING?
3. EXPLAIN THE DIFFERENCE BETWEEN EXTREME PROGRAMMING AND SCRUM?
4. WHAT IS AN EPIC, USER STORIES AND TASK?
5. EXPLAIN WHAT IS RE-FACTORING?
6. EXPLAIN HOW YOU CAN MEASURE THE VELOCITY OF THE SPRINT WITH VARYING TEAM CAPACITY?
7. MENTION THE KEY DIFFERENCE BETWEEN SPRINT BACKLOG AND PRODUCT BACKLOG?
8. IN AGILE MENTION WHAT IS THE DIFFERENCE BETWEEN THE INCREMENTAL AND ITERATIVE DEVELOPMENT?
9. EXPLAIN WHAT IS SPIKE AND ZERO SPRINT IN AGILE? WHAT IS THE PURPOSE OF IT?
10. WHAT IS TEST DRIVEN DEVELOPMENT?
11. PROTOTYPES AND WIREFRAMES ARE WIDELY USED AS PART OF?
12. EXPLAIN WHAT IS APPLICATION BINARY INTERFACE?
13. EXPLAIN IN AGILE, BURN-UP AND BURN-DOWN CHART?
14. EXPLAIN WHAT IS SCRUM BAN?
15. WHAT IS STORY POINTS/EFFORTS/ SCALES?
16. EXPLAIN WHAT IS TRACER BULLET?
17. WHAT IS A TEST STUB?
18. WHAT ARE THE DIFFERENCES BETWEEN RUP (RATIONAL UNIFIED PROCESS) AND SCRUM METHODOLOGIES?
19. WHY CONTINUOUS INTEGRATION IS IMPORTANT FOR AGILE?
20. WHAT TESTING IS DONE DURING AGILE?
21. Explain what is Velocity in Agile?
22. WHAT ARE THE QUALITIES OF A GOOD AGILE TESTER SHOULD HAVE?
23. WHO ARE ALL INVOLVED IN THE AGILE TEAM?
24. MENTION IN DETAIL WHAT ARE THE ROLE'S OF SCRUM MASTER?
25. MENTION WHAT ARE THE AGILE QUALITY STRATEGIES?
26. MENTION WHAT ARE THE TOOLS THAT CAN BE USEFUL FOR SCREENSHOTS WHILE WORKING ON AGILE PROJECTS?
27. MENTION WHAT ARE THE ADVANTAGES OF MAINTAINING CONSISTENT ITERATION LENGTH THROUGHOUT THE PROJECT?
28. IF A TIME BOX PLAN NEEDS TO BE REPRIORITIZED WHO SHOULD RE-PRIORITIES IT?
29. MENTION WHAT SHOULD A BURNDOWN CHART SHOULD HIGHLIGHT?
30. Mention what is the difference between Scrum and Agile?
31. Mention what are the challenges involved in AGILE software development?
32. When not to use Agile?
33. EXPLAIN HOW CAN YOU IMPLEMENT SCRUM IN AN EASY WAY TO YOUR PROJECT?
34. EXPLAIN WHAT DOES IT MEAN BY PRODUCT ROADMAP?

# CUCUMBER

- 1) Explain Cucumber shortly.
- 2) What language is used by Cucumber?
- 3) What is meant by a feature file?
- 4) What are the various keywords that are used in Cucumber for writing a scenario?
- 5) What is the purpose of Scenario Outline in Cucumber?
- 6) What programming language is used by Cucumber?
- 7) What is the purpose of Step Definition file in Cucumber?
- 8) What are the major advantages of Cucumber framework?
- 9) Provide an example of a feature file using the Cucumber framework.
- 10) Provide an example of Scenario Outline using Cucumber framework.
- 11) What is the purpose of Behaviour Driven Development (BDD) methodology in the real world?
- 12) What is the limit for the maximum number of scenarios that can be included in the feature file?
- 13) What is the use of Background keyword in Cucumber?
- 14) What symbol is used for parameterization in Cucumber?
- 15) What is the purpose of Examples keyword in Cucumber?
- 16) What is the file extension for a feature file?
- 17) Provide an example of step definition file in Cucumber.
- 18) What is the purpose of Cucumber Options tag?
- 19) How can Cucumber be integrated with Selenium WebDriver?
- 20) When is Cucumber used in real time?
- 21) Provide an example of Background keyword in Cucumber.
- 22) What is the use of Behavior Driven Development in Agile methodology?
- 23) Explain the purpose of keywords that are used for writing a scenario in Cucumber.
- 24) What is the name of the plugin that is used to integrate Eclipse with Cucumber?
- 25) What is the meaning of TestRunner class in Cucumber?
- 26) Provide an example of TestRunner class in Cucumber.
- 27) What is the starting point of execution for feature files?
- 28) Should any code be written within TestRunner class?
- 29) What is the use of features property under Cucumber Options tag?
- 30) What is the use of glue property under Cucumber Options tag?
- 31) What is the maximum number of steps that are to be written within a scenario?

ALL THE BEST!!!!