

Automation Interview preparations

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Java Exception Handling Interview Questions And Answers

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- 1) What is an exception?
- 2) How the exceptions are handled in java? OR Explain exception handling mechanism in java?
- 3) What is the difference between error and exception in java?
- 4) Can we keep other statements in between try, catch and finally blocks?
- 5) Can we write only try block without catch and finally blocks?
- 6) There are three statements in a try block – statement1, statement2 and statement3. After that there is a catch block to catch the exceptions occurred in the try block. Assume that exception has occurred in statement2. Does statement3 get executed or not?
- 7) What is unreachable catch block error?
- 8) Explain the hierarchy of exceptions in java?
- 9) What are run time exceptions in java. Give example?
- 10) What is OutOfMemoryError in java?
- 11) what are checked and unchecked exceptions in java?
- 12) What is the difference between ClassNotFoundException and NoClassDefFoundError in java?
- 13) Can we keep the statements after finally block If the control is returning from the finally block itself?
- 14) Does finally block get executed If either try or catch blocks are returning the control?
- 15) Can we throw an exception manually? If yes, how?
- 16) What is Re-throwing an exception in java?
- 17) What is the use of throws keyword in java?
- 18) Why it is always recommended that clean up operations like closing the DB resources to keep inside a finally block?
- 19) What is the difference between final, finally and finalize in java?
- 20) How do you create customized exceptions in java?
- 21) What is ClassCastException in java?
- 22) What is the difference between throw, throws and throwable in java?
- 23) What is StackOverflowError in java?
- 24) Can we override a super class method which is throwing an unchecked exception with checked exception in the sub class?
- 25) What are chained exceptions in java?
- 26) Which class is the super class for all types of errors and exceptions in java?
- 27) What are the legal combinations of try, catch and finally blocks?
- 28) What is the use of printStackTrace() method?
- 29) Give some examples to checked exceptions?
- 30) Give some examples to unchecked exceptions?

- 1) What is an exception?

Exception is an abnormal condition which occurs during the execution of a program and disrupts normal flow of the program. This exception must be handled properly. If it is not handled, program will be terminated abruptly.

- 2) How the exceptions are handled in java? OR Explain exception handling mechanism in java?

Exceptions in java are handled using try, catch and finally blocks.

try block : The code or set of statements which are to be monitored for exception are kept in this block.

catch block : This block catches the exceptions occurred in the try block.

finally block : This block is always executed whether exception is occurred in the try block or not and occurred exception is caught in the catch block or not.

3) What is the difference between error and exception in java?

Errors are mainly caused by the environment in which an application is running. For example, OutOfMemoryError happens when JVM runs out of memory. Where as exceptions are mainly caused by the application itself. For example, NullPointerException occurs when an application tries to access null object.

4) Can we keep other statements in between try, catch and finally blocks?

No. We shouldn't write any other statements in between try, catch and finally blocks. They form a one unit.

```
try
{
    // Statements to be monitored for exceptions
}
```

//You can't keep statements here

```
catch(Exception ex)
{
    //Catching the exceptions here
}
```

//You can't keep statements here

```
finally
{
    // This block is always executed
}
```

5) Can we write only try block without catch and finally blocks?

No, It shows compilation error. The try block must be followed by either catch or finally block. You can remove either catch block or finally block but not both.

6) There are three statements in a try block – statement1, statement2 and statement3. After that there is a catch block to catch the exceptions occurred in the try block. Assume that exception has occurred in statement2. Does statement3 get executed or not?

No. Once a try block throws an exception, remaining statements will not be executed. control comes directly to catch block.

7) What is unreachable catch block error?

When you are keeping multiple catch blocks, the order of catch blocks must be from most specific to most general ones. i.e sub classes of Exception must come first and super classes later. If you keep super classes first and sub classes later, compiler will show unreachable catch block error.

```
public class ExceptionHandling
```

```

{
    public static void main(String[] args)
    {
        try
        {
            int i = Integer.parseInt("abc"); //This statement throws NumberFormatException
        }

        catch(Exception ex)
        {
            System.out.println("This block handles all exception types");
        }

        catch(NumberFormatException ex)
        {
            //Compile time error
            //This block becomes unreachable as
            //exception is already caught by above catch block
        }
    }
}

```

8) Explain the hierarchy of exceptions in java?

9) What are run time exceptions in java. Give example?

The exceptions which occur at run time are called as run time exceptions. These exceptions are unknown to compiler. All sub classes of java.lang.RuntimeException and java.lang.Error are run time exceptions. These exceptions are unchecked type of exceptions. For example, NumberFormatException, NullPointerException, ClassCastException, ArrayIndexOutOfBoundsException, StackOverflowError etc.

10) What is OutOfMemoryError in java?

OutOfMemoryError is the sub class of java.lang.Error which occurs when JVM runs out of memory.

11) what are checked and unchecked exceptions in java?

Checked exceptions are the exceptions which are known to compiler. These exceptions are checked at compile time only. Hence the name checked exceptions. These exceptions are also called compile time exceptions. Because, these exceptions will be known during compile time.

Unchecked exceptions are those exceptions which are not at all known to compiler. These exceptions occur only at run time. These exceptions are also called as run time exceptions. All sub classes of java.lang.RuntimeException and java.lang.Error are unchecked exceptions.

12) What is the difference between ClassNotFoundException and NoClassDefFoundError in java?

13) Can we keep the statements after finally block If the control is returning from the finally block itself?

No, it gives unreachable code error. Because, control is returning from the finally block itself. Compiler

will not see the statements after it. That's why it shows unreachable code error.

14) Does finally block get executed If either try or catch blocks are returning the control?

Yes, finally block will be always executed no matter whether try or catch blocks are returning the control or not.

15) Can we throw an exception manually? If yes, how?

Yes, we can throw an exception manually using throw keyword. Syntax for throwing an exception manually is

```
throw InstanceOfThrowableType;
```

Below example shows how to use throw keyword to throw an exception manually.

```
try
{
    NumberFormatException ex = new NumberFormatException(); //Creating an object to
    NumberFormatException explicitly

    throw ex; //throwing NumberFormatException object explicitly using throw keyword
}
catch(NumberFormatException ex)
{
    System.out.println("explicitly thrown NumberFormatException object will be caught here");
}
```

16) What is Re-throwing an exception in java?

Exceptions raised in the try block are handled in the catch block. If it is unable to handle that exception, it can re-throw that exception using throw keyword. It is called re-throwing an exception.

```
try
{
    String s = null;
    System.out.println(s.length()); //This statement throws NullPointerException
}
catch(NullPointerException ex)
{
    System.out.println("NullPointerException is caught here");

    throw ex; //Re-throwing NullPointerException
}
```

17) What is the use of throws keyword in java?

18) Why it is always recommended that clean up operations like closing the DB resources to keep inside a finally block?

Because finally block is always executed whether exceptions are raised in the try block or not and raised exceptions are caught in the catch block or not. By keeping the clean up operations in finally block, you will ensure that those operations will be always executed irrespective of whether exception is occurred or not.

19) What is the difference between final, finally and finalize in java?

20) How do you create customized exceptions in java?

21) What is ClassCastException in java?

ClassCastException is a RuntimeException which occurs when JVM unable to cast an object of one type to another type.

22) What is the difference between throw, throws and throwable in java?

23) What is StackOverflowError in java?

StackOverflowError is an error which is thrown by the JVM when stack overflows.

24) Can we override a super class method which is throwing an unchecked exception with checked exception in the sub class?

No. If a super class method is throwing an unchecked exception, then it can be overridden in the sub class with same exception or any other unchecked exceptions but can not be overridden with checked exceptions.

25) What are chained exceptions in java?

26) Which class is the super class for all types of errors and exceptions in java?

java.lang.Throwable is the super class for all types of errors and exceptions in java.

27) What are the legal combinations of try, catch and finally blocks?

```
try
{
    //try block
}
catch(Exception ex)
{
    //catch block
}
```

```
try
{
    //try block
}
finally
{
    //finally block
}
try
```

```

{
    //try block
}
catch(Exception ex)
{
    //catch block
}
finally
{
    //finally block
}

```

28) What is the use of `printStackTrace()` method?

`printStackTrace()` method is used to print the detailed information about the exception occurred.

29) Give some examples to checked exceptions?

`ClassNotFoundException`, `SQLException`, `IOException`

30) Give some examples to unchecked exceptions?

`NullPointerException`, `ArrayIndexOutOfBoundsException`, `NumberFormatException`

Some Interview Questions faced by me...

1. What do you mean by pesticide paradox? Do you have any solution for this type of situation in software testing?

2. What do you mean by defect cascading, as QA what should you do?

3. What is the difference between exploratory and Ad hoc testing?

4. What do you mean by ticket?

5. What is use case?

6. What is release, explain retrospective? What we do in retrospective meeting?

7. What are the basic components of Test plan? What was your role in test plan?

8. What are test deliverables? What type of test deliverables did you submit?

9. What happens to the deferred bugs, who is involved in discussion for the deferred bug?

10

What is Test closure?

What is the purpose of test closure?

11. What are the components of Requirement Tracability Matrix?

12. Difference between Quality Control and Quality Assurance?

13. Are you aware of any customer validation testing techniques?

Some Interview Questions ...

1. Explain the flow of CI/CD? What is the role of Jenkins

2. What are the demerits of selenium? Is there any reporting tool given by selenium?
3. Write the code for browser launch?
WebDriver driver=new Chrome Driver(); what do you mean by this?
- 4.How to perform drag n drop ?
- 5.Assertion and validation difference?
- 4 . How will you verify any alert ?
- 7.Tyoes wait, what type of waits have u used in your project?
- 8 . How time will you take to design the selenium framework from right from scratch ?
9. A batsman is on 94 , as soon as he scores 100(after 100 there is no increment in runs) , an led glows . What will be your approach to write logic ?
10. How to verify a string is palindrome or not?
11. What is half of 2 +2?
12. Throw and throws
13. Final and finally difference
14. Convert string into integer
15. What is method overloading and method overriding, explain with basic code?
16. Give an example of Abstraction and interface where it can be applied in day today Life??
17. What is Array and Array List?
- 18 which is thread safe ArrayList or Hashmap?

Practically it's very much possible to crack any company's Interview if you plan right

1. Go through websites like Glassdoor to understand Interview experience of candidates
2. Talk to current employees of that firm, for sure they can provide enough inputs on how to crack Interviews
3. Top companies have blog/career sections to help you understand their work & culture
4. Check LinkedIn profiles of their employees and try to create a similar one and create a compelling resume
5. Apply through Recruiters or Employees or Agencies, for sure you will get at least one attempt

Finally, patience and persistence to keep applying. Where there is a will, there is definitely a way! Don't give up!

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#Copied
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#InterviewTips
hashtag
#Interview
hashtag
#JobSearch

Which of the following best defines a class ?

- a). Parent of an object
- b). Instance of an object
- c). Blue print of an object
- D). Scope of an object

Core Java Abstraction_Interface Interview Questions :

1. Can an Interface Be Extended by Another Interface In Java?
2. When is an Abstract Method Used?
3. What is Abstraction?
4. What Is Interface in Java?
5. Can We Define Abstract Class Without Abstract Method?
6. In Which Kind of Situation Would an Interface Be Extended by Another Interface?
7. Why We Use Interface in Java?
8. Can We Create Instance of Interface?
9. Can We Declare Abstract Method as Static?

10. Can We Declare Abstract Method as Final?

11. Can We Declare Abstract Method as Private?

12. Can We Use Public, Protected and Default Modifiers with Abstract Method?

13. Differentiate an Interface and An Abstract Class?

14. What Is a Marker Interface?

15. What Will Happen If We Do Not Override All the Abstract Methods in Sub-class?

16. Can an Inner Class Be Built in An Interface?

17. How to Define an Abstract Class?

18. How Can We Define an Interface?

19. How Do We Use Comparator and Comparable Interfaces?

20. Can abstract class be final in Java?

21. Can abstract class contains main method in Java?

22. Can abstract class implements interface in Java? does they require to implement all methods?

23. What Is Difference Between Path and Classpath?

24. Should A Main Method Be Compulsorily Declared in All Java Classes?

25. Why Is the Main Method Declared Static?

26. Can A Main Method Be Overloaded?

27. Can A Main Method Be Declared Final?

28. Can A Source File Contain More Than One Class Declaration?

29. Can A Class Be Declared as Static?

30. When Will You Define a Method as Static?

31. What Are the Restriction Imposed on A Static Method or A Static Block of Code?

32. Can We Declare a Static Variable Inside a Method?

33. What Is Use of An Abstract Variable?

34. Can A Method Inside an Interface Be Declared as Final?

35. Class C Implements Interface I, containing Method M1 And M2 Declarations. Class C Has Provided Implementation for Method M2. Can I Create an Object of Class C?

36. Can an Interface Extend Another Interface?

37. Can an Interface Implement Another Interface?

38. Can an Interface Be Final?

39. Can A Class Be Defined Inside an Interface?

40. Can an Interface Be Defined Inside a Class?

41. Why Is an Interface Be Able to Extend More Than One Interface but A Class Can't Extend More Than One Class?

42. If I Only Change the Return Type, Does the Method Become Overloaded?

43. Why Does Java Not Support Operator Overloading?

44. Can We Define Private and Protected Modifiers for Variables in Interfaces?

45. What Modifiers Are Allowed for Methods in An Interface?

46. What Is a Local, Member and A Class Variable?

47. Can A Byte Object Be Cast to A Double Value?

48. What Is the Difference Between a Static and A Non-Static Inner Class?

49. What Is an Object's Lock and Which Objects Have Locks?

50. When Can an Object Reference Be Cast to An Interface Reference?

51. Which Non-unicode Letter Characters May Be Used as The First Character of An Identifier?

52. What Restrictions Are Placed on Method Overloading?

53. What Is Casting?

54. What Is Down casting?

55. If A Variable Is Declared as Private, Where May the Variable Be Accessed?

56. What Modifiers May Be Used with An Inner Class That Is a Member of An Outer Class?

57. How Many Bits Are Used to Represent Unicode, Ascii, Utf-16, And Utf-8 Characters?

58. What Restrictions Are Placed on The Location of a Package Statement Within a Source Code File?

59. What Is a Native Method?

60. What Are Order of Precedence and Associativity, And How Are They Used?

61. Can an Anonymous Class Be Declared as Implementing an Interface and Extending A Class?

62. What Is the Range of The Char Type?

63. What Is the Range of The Short Type?

64. What Does It Mean That a Method or Field Is "static"?

65. Which Characters May Be Used as The Second Character Of An Identifier, but Not As The First Character Of An Identifier?

66. How Is Rounding Performed Under Integer Division?

67. If A Class Is Declared Without Any Access Modifiers, Where May the Class Be Accessed?

68. Does A Class Inherit the Constructors of Its Superclass?

69. What Restrictions Are Placed on The Values of Each Case of a Switch Statement?

70. What Is the Difference Between a While Statement And A Do Statement?

71. What Modifiers Can Be Used with A Local Inner Class?

72. If A Method Is Declared as Protected, Where May the Method Be Accessed?

73. When Does the Compiler Supply a Default Constructor for A Class?

which feature of OOP illustrates code reusability

- a). Polymorphism
- b). Abstraction
- c). Encapsulation
- d). Inheritance

How many class can be defined in a simple program?

- a). Only 1
- b). Only 100
- c). Only 999
- d). As many as one want

How are members of an object accessed?

- a). Using dot operator period symbol
- b). Using scope resolution operator
- c). Using member names directly
- d). Using pointer only

Which definition best describe an object?

- a). Instance of a class
- b). Instance of itself
- c). Child of a class
- d). Overview of a class

class is made up of _____ elements?

- a). 2
- b). 3
- c). 4
- d). 5

_____ operator is used to create an object.

- a). class
- b). new
- c). print
- d). main

Which of the following is not a looping statement_____.

- a). FOR
- b). Switch
- c). while
- d). Do-While

_____ is a multi way branch statement

- a). Switch
- b). continue

- c). break
- d). Label

An _____ determines which features of a class may be used by other classes

- a). Specifier
- b). inheritance
- c). Implantation
- d). Access specifier

The _____ statement is used inside the switch to terminate a Statement sequence

- a). break
- b). Jump
- c). exit
- d). goto

Consider the following program:

```
import myLibrary.*;  
public class ShowSomeClass  
{  
    //code for the class  
}
```

What is the name of the Java file containing this program?

- a). myLibrary.java
- b). ShowSomeClass.java
- c). ShowSomeClass.class
- d). Any file name with the java suffix will do

What is not valid type of variable?

- a). Global variable
- b). Local variable
- c). Class variable
- d). Instance variable

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Difference between Array and ArrayList?

Array : Fixed length data structure but Java Generics cannot be used

Arraylist : variable length collection class and can only store objects , slow cos of automatic resize if

ArrayList, add() method to store elements into arraylist

What is the output of this program?

```
class multidimension_array
```

```
{
```

```
public static void main(String args[])
```

```
{
```

```
int arr[][] = new int[3][];
```

```
arr[0] = new int[1];
```

```
arr[1] = new int[2];
```

```
arr[2] = new int[3];
```

```
int sum = 0;
```

```
for (int i = 0; i < 3; ++i)
```

```
for (int j = 0; j < i + 1; ++j)
```

```
arr[i][j] = j + 1;
```

```
for (int i = 0; i < 3; ++i)
```

```
for (int j = 0; j < i + 1; ++j)
```

```
sum += arr[i][j];
```

```
    System.out.print(sum);
```

```
}
```

```
}
```

: Interview question

From excel sheet, number = 3

locator = "xpath=//*[@text=\"" + text + "\"]";

Is this xpath correct ?

public ArrayList <String> getItemLists() throws InterruptedException

Experience level = 2 years

Please explain the relationship between arraylist and the calling method and it's purpose ?

what are the generic method, how you declare it and how you have implemented it in your framework ?

INTERVIEW QUESTIONS

Project specific Questions

1. What was the duration of your project?
2. Explain about your project.
3. How many testers were their on this project.
4. According to you which was the complex part of the project from testing point of view.
5. How did you do the testing of your project?
6. How many test cases have you designed? How many you wrote in a day?
7. How many bugs did you find?
8. Tell me any high Severity bugs that you found.
9. What happens when the client changes requirements?
10. Which tool you used for defect reporting?
11. What is the database used for your project.
12. In which technology this application is developed?

Company specific Questions

1. Where are you working currently?
2. How that Seed has sent you here for an interview when you are working in the same company.
3. Where it is located?
4. How many testers and developers are their?
5. Are testers and developers sitting at same location?
6. What is the hierarchy in testing team?
7. Whom do you report to?
8. Is this a dummy project?
9. How do you come to know about your tasks?
10. Are you a permanent employee?
11. How long you are working in Seed?
12. Can you name some clients of your company?

HR Questions

1. Introduce yourself.
2. What are your strengths?
3. What are your weaknesses?
4. What you do not like in this world?
5. How do you commute?

6. Are you a team player?
7. How long will you take to join?
8. Are you ready to work on contract position?
9. Where would you like to see yourself 5 years down the line.
10. Are you a permanent employee?

1. Define what is Software Testing?
2. What is difference between Severity and Priority?
3. What is difference between Regression and Retesting?
4. What is the Role of the Tester?
5. How will you convince a developer who is not ready to resolve the bug you have raised?
6. What is difference between Debugging and Unit testing?
7. Have you done White Box Testing? Do you know what type of bugs you can trace through this type of testing?
8. What is the important column in Test case?
9. What is the use of any Test Case Management tool?
10. Why Testing is necessary?
11. What is the Bug Life Cycle?
12. How do you decide which test cases to consider for Regression Testing?
13. Is testing QA or QC?
14. Differentiate between Integration Testing and System Testing.
15. Have you participated in User Acceptance Testing (UAT)?
16. Have you seen a Test Plan? Who prepares it ?
17. What are the various contents of a Test Plan?
18. What methods of Black Box Testing you have used?
19. Do you know Exploratory Testing?
20. What is Prototyping? What are the various types?
21. Define phases of SDLC.
22. Which SDLC model your company follows?
23. When do we write Stubs?
24. What is the use of Driver script?
25. What kinds of reviews are conducted during SDLC phase?
26. What is the role of Metrics in Testing?
27. What are key challenges of Software Testing field?
28. Explain your views about Quality.
29. What is the advantage of using any bug tracking tool.
30. Explain about website Usability testing.
31. What are defect attributes?
32. What is pesticide paradox?
33. Explain V model.
34. What is Load and Stress testing, explain with example
35. Differentiate between Verification and Validation?
36. Explain Boundary Value Analysis with an example.
37. What is the difference between Web application and Client Server Application?
38. What is Localization testing?
39. What is difference between Black box testing and White box testing?
40. What is the difference between Authentication and Authorization give an example.
41. Other than functionality what else you should test in Web Application?
42. How you know that testing is enough?
43. How will you test the reports?
44. What is compatibility testing?
45. If we test the application on IE 8 then is it necessary to test it on IE 7?
46. Difference between Smoke & Sanity testing.
47. What is the difference between Requirement specification & Functional Specification?
48. On what basis you will decide whether all the requirements are covered in the test cases?

49. What is Database? Which database you are aware of?
50. What is Database Testing?
51. What is Cookies? Any idea on Cookies Testing?
52. Explain Spiral Model?
53. What are Stored Procedures?
54. How many types of Joins are their?
55. What are DML and DDL commands give example.
56. What is Normalization?
57. What is Primary key and Foreign key?
58. What is RDBMS?
59. What is difference between delete & truncate?
60. What design documents you receive from PM?
61. What are documents are created in Design phase?
62. What challenges you have faced in testing so far?
63. Have you seen our company web site? What are the usability defects you have found?
64. Differentiate between Load testing and Stress testing.
65. Which documents does the test team submit during testing period?
66. How will you test an application without and requirement documents?
67. What is windows registry?
68. What is Object, multiple Inheritance and Class in OOPS?
69. What is Multitasking, Multithreading and Multi processing?
70. What is Stack, and Queue in DS?
71. Explain STLC.
72. What is Functional Testing?
73. What activities are done in Inspection.
74. What is Deferred Defect?
75. In Defect Life cycle, you find that the defect is not fixed but the developer says that it is fixed will you every time tell the Project lead about that?
76. What is Equivalence Partitioning?
77. How many regression cycles you have participated in?
78. Realizing you won't be able to test everything - how do you decide what to test first?
79. What is SQA?
80. What are the contents of defect report?
81. Explain RTM template.
82. What is Big Bang type of testing?
83. What is Traceability Matrix & Coverage Matrix?
84. What is a fault, failure & defect?
85. Which is the efficient method to write (a) test scenario (b) Many test cases?
86. What is UAT and Alpha and Beta Testing?
87. Explain doubly and singly linked list?
88. Explain OOPS features?
89. What are the key challenges in testing?
90. What is Hot fix?
91. Where Exit and Entry Criteria are written in Test Plan?
92. What are different scenarios for verifying Email address?
93. What is the query for update table?
94. If there is mistake in company Logo, what is Priority and Severity Justify your answer?
95. Can Stub/Driver be use as an independent module?
96. Who prepares Test Plan in your organization?
97. Where feature to be tested and features not to be tested are written in test plan?
98. What is Test Strategy and Test Approach.
99. What is the data flow in your project?
100. Where Regression Testing comes in Defect Life Cycle
101. What is deference between Integration and System Testing
102. Examples of Non-Functional Testing?

103. What is difference between QC and QA?
104. If 4 modules are there like A, B, C and D. All are dependent on each other. If changes is done to Module C. Will you perform Regression Testing? If yes how many test case you run again?
105. How much test cases you wrote in a single day?
106. Are you submitting the defects you found each day or submit them when you finish a complete module?
107. What is Data Migration Testing? What are the different approaches followed in Data Migration?
108. What are broken links?
109. What is Closer Report?
110. What is System Testing?
111. What type of testing should we performed while testing a website
112. What is Security Testing? Different aspect we should cover while doing security Testing
113. Arrange the following testing types in sequence in which we test any application
Functional Smoke Integration System Sanity Retesting Regression
114. If same software convert English language PDF file to Spanish language word file And some lines are showing the converted data like @#\$\$%#%\$#%\$% (special Character). Then is it a functional issue or usability issue.
115. If any bug is reproducible only on Testing server and not on Development server, how you make sure that the developer fixes that bug .
116. If any bug is reproducible at client side (in production environment) not in the test environment what are the different possibilities that this scenario occurs.
117. What is security testing?
118. What is Installation Testing?
119. What is Application Server? Give example.
120. Have you come across any severe bugs in your application and did you contribute so that it gets resolved.
121. Have you ever prepared Test Plan?
122. How you define Severity to a Bug?
- 123 You are given little understanding of application, how much time will you take to understand it?
124. What do you think why software has bugs?
125. Explain error guessing with an example.
126. In bug life cycle, who opens the bug?
127. What is Compatibility, Multiplatform and Configuration testing?
128. What are Session and Cookies and what is difference between them?
129. What is the process followed in your company for testing?
130. What is Mutation testing?
131. Difference between Ad-hoc & Exploratory testing?
132. What is Test Suit?
133. How you are tracking defects?
134. What Qualities does QA Engineer Require?
135. What are CMM Levels?
136. Does Code review come under white box testing?
137. You have been given a form, how will you test it?
138. What is Static and what is Dynamic Web Page?
139. Difference between HTTP and HTTPS? Explain how the data is secured in HTTPS?
140. Have you heard of Agile Methodology? Explain?
141. Have you used any Configuration Management tool?
142. Do we always need to do regression after retesting?
143. What is Web server? Which web servers you know?
144. What is Inter-system testing? Have you done that?
145. What is a build? What is the release?
146. What is production server?
147. What is Recovery Testing?
148. Any disadvantages of V model?
149. What are the properties of a good Requirements Document?

150. What is Accessibility Testing?

151. Write test cases on :

Chess board, white board, pen, water bottle, elevator, telephone instrument, mobile SMS service, ATM, Ceiling fan

2017 Selenium Automation Testing Interview questions asked in MNC's

Asked Automation Interview Questions in MNC's

Company (1)

- 1) Tell me about yourself?
- 2) Tell me Your Roles and Responsibility?
- 3) Have you worked on designing?
- 4) Flow of your framework, Model project?
- 5) Define Encapsulation?
- 6) Difference between method overloading and method overriding?
- 7) Interface and abstract?
- 8) Define Interface?
- 9) Static keyword in java?
- 10) explain "this" keyword?
- 11) Multiple and Multilevel Inheritance.
- 12) Different types of Exceptions.
- 13) Define Checked and Unchecked exception.
- 14) Difference between List and Set.
- 15) What is ArrayList?
- 16) Different types of "wait" in selenium, Describe each with syntax.
- 17) How to handle web based popups?
- 18) What are different types of alert method?
- 19) How to switch from one window to another?
- 20) What is table handle and window handle?
- 21) How to read & write data from excel sheet?
- 22) How to take screenshot in selenium?
- 23) How to highlight a link in selenium?
- 24) What is additional setting and proxy setting in selenium?
- 25) What is Firefox Profile?
- 26) What is Jenkins?
- 27) How to upload data in Jenkins?
- 28) Jar files for logging
- 29) Automation of testing
- 30) Parameterized in TestNG
- 31) Execute test case parallel in TestNG?
- 32) Can you give some Priority to two test cases?
- 33) Parallel parameter= true? Explain.
- 34) Have you worked on SQL query? What you have done?
- 35) What is Primary Key please explain.
- 36) If there are same multiple entry in the table, how to find Unique element in the table?
- 37) How to get 3rd Highest Salary from employee table?
- 38) How to find any particular date of joining of employee from Employees table, date is in number format then how to change it to character format?

Asked Automation Interview Questions in MNC's

Company (2)

- 1) Tell me about yourself?
- 2) What is payroll? Explain about your project with your rolls and responsibility?
- 3) What is Integration testing you performed in your project please explain with scenarios.
- 4) Types of Integration testing.
- 5) What is hybrid Integration testing?

- 6) Explain Top-down and Bottom-up Integration testing.
- 7) What is depth and breadth means in Integration testing?
- 8) In Integration testing which testing performed first?
- 9) Tell me about System Integration testing?
- 10) Have you written any Test Plan?
- 11) Parameter used in creating test plan?
- 12) Why Regression testing is required?
- 13) If fault found who will be originally documented by?
- 14) Have you logged any defect?
- 15) What is V-Model?
- 16) What is end to end testing?
- 17) What is use case?
- 18) Difference between use case and test case?
- 19) What is boundary values analysis?
- 20) What is traceability matrix?
- 21) Have you sending any test report?
- 22) What parameter you used to send test report?
- 23) What is spike testing?
- 24) What is soap testing?
- 25) Why Bug occur?
- 26) What is difference between manual and automation testing?
- 27) What is better manual or automation testing?
- 28) Manual testing framework?
- 29) What is execution testing and non-execution testing?
- 30) Any query?

Asked Automation Interview Questions in MNC's
Company (3)

- 1) How many Test Cases you have automated till yet?
- 2) How many Test Cases you have executed in regression in current project?
- 3) Total test cases count in regression suite?
- 4) How much time it will take to prepared & execute these 80 test cases of regression test suite
- 5) Did you face any difficulty at the time to preparing Test Suite?
- 6) Did all the test case passed when you execute regression suite?
- 7) Did you got functional or non-functional defect?
- 8) Difference between private and public access modifiers?
- 9) Can private member of class be access outside the class?
- 10) Difference between private and protected?
- 11) How many web pages are opened in system can we count in selenium?
- 12) Difference between find element and find elements?
- 13) What is getWindowHandles();
- 14) What is web based popup and window based popups?
- 15) What is generic function in selenium?
- 16) How many generic function you have written in your current project? Please specify.
- 17) Did you know how to connect to excel sheet through java?
- 18) Do you know what is jenkins?
- 19) Did you performed continue integration in your current project?
- 20) Which framework you have used in your project?
- 21) Have you used TestNG in your project?

Asked Automation Interview Questions in MNC's
Company (4)

- 1) Tell me about yourself?
- 2) How to read from property file in selenium and its method?

- 3) How to read excel file?
- 4) How to get Row count and Column count in excel file?
- 5) How to read cell data in excel?
- 6) Please explain Xpath.
- 7) How to perform double click on any component?
- 8) Did you perform any Data Base validation using java selenium code?
- 9) Difference between Abstract and Interface.
- 10) Can Interface be extended to another Interface?
- 11) Please give TestNG annotation details description.
- 12) Have you done any Parallel testing execution in selenium TestNG?
- 13) What kind of Report Generation you have done in TestNG? Is it XML, HTML excel report?

Got it as forward :

How do you assess a candidate while taking interview ? List the key points involved.

How would you frame core java based question for an automation tester having 6+ years of experience ?

What all questions you would ask for to candidate of 10+ years of experience ?

How many times you ask yourself questions or cross question yourself while core Java interview preparation for an automation engineer interview ?

Key areas/concepts to look in java for interview preparation when you 10+ years of experience ?

How would you prepare yourself when interview switch topic from core Java to TestNG or Maven or Cucumber or Jenkins ?

Hello everyone, One question asked in the interview..

If I have written implicit wait and explicit wait which will take less time?

Implicit wait gets precedence.

As it's stuck to driver instance. Below scenarios for your better understanding

Explicit Wait= Implicit Wait => Say 10 seconds.

Both waits get activated at the same time to locate elements. Explicit wait keeps searching for an element till it is found and implicit wait allows web driver to search till timeout.

When explicit wait starts and looks for element, because of implicit wait it needs to wait for 10 seconds because an element is not found.

So both waits complete 10 seconds wait time.

But sometimes you get wait time as 20 seconds because of the synchronization issue. Implicit wait throws an exception if the element is not found.

So till the time implicit wait throws an exception, explicit waits starts another iteration which makes again to wait for 10 seconds.

So, in this case, you will get timeout as 20 seconds.

2. Implicit wait(50) > Explicit Wait(10) When explicit wait starts looking for element, it needs to wait for 10 seconds because of implicit wait time.

3. Implicit wait(10) < Explicit Wait(50) When explicit wait starts looking for element, it needs to wait for 10 seconds because of the implicit wait.

After that implicit wait throws an exception because of not able to locate elements. Exception stops explicit wait to search further and does not allow to reach its timeout.

List of Questions on 26th March,2020:

1. What are the Client Errors?
 2. List of Error Codes
 3. What is API Testing
 4. What are the tools used in API testing
 5. How SOAPUI is different from Postman
 6. What is the role of Authorization when we are making API call
 7. Using Swagger making POST call, what is authorization in that
 8. What exactly endpoint is in WebService Testing?
 9. How to test multiple API call parallelly
 10. What exactly endpoint when two API are interacting
 11. Challenges we faced during API Testing
 - Sequence of API calls
 - Validating Parameters
 12. How difficult it is to move from Postman to RestAssured and TestNG
 13. Multiple POST and PUT Request with same Payload
 14. How do you start API testing in a Sprint.
- [27/3/2020, 4:59 pm] +91 77740 55251: *QA tip: Common mistakes to be avoided when bug is encountered*

Most of the QAs will find joy when they come across a bug during the test execution phase. Now once the bug is encountered, the core responsibility of QA is to report it as soon as possible because sooner the development team receives the feedback, the sooner they can start fixing it.

Now in the hurry of reporting the bug, QAs often make mistakes which causes difficulty to developers in finding an expected fix.

These mistakes includes failing to check if:

1. The bug is not duplicate
2. The bug is due to regression or occurring for the first time
3. Incorrect set of testing tools were used during test execution
4. Incorrect testing data was used for carrying out the tests
5. Incorrect set of browsers or metrics were used (which are not part of the project scope)
6. Bug is categorized in the right manner - Functional, UI, Validation, Accessibility, etc
7. Environment factors is causing the issue (caching issue, configuration issues, code deployed incorrectly)
8. You are following correct testing steps or missing steps
9. Severity and priority of the bug encountered is understood by QA

: Few questions I came across being asked in this pandemic situation.

- 1) Explain the framework, within the framework, it was asked how is the elements being called.
- 2) Write a program to print numbers and characters in a given string. Ex: "123ad3523fr" : Print number and character individually.
- 3) From a given sentence, count the number of words and print.
- 4) Can main method be overloaded.?
- 5) Explain everything on how to call a function by referencing an object. Ultimately, explain how do you create object and each word of it.
- 6) From the Instance block, Static block and Main method, which one will get executed first.
- 7) How do you declare wait statement.

City Bank first round-

1. What you have done till now as part of your IT experience?
2. Do you know OOPs concepts and in framework where and how you have implemented it?
3. Can we declare a private class?
4. What is difference between == and equals?
5. How string is immutable?
6. Where strings get stored and where reference gets stored?
7. Can you please explain with the reference of memory location that how string is immutable?

8. If not want to use String class then what can be used?
 9. Difference between String and StringBuffer.
 10. What collections you have used? Have you used HashMap?
 11. List declaration?
 12. Where used Set?
 13. You have an application like flipkart and you want to buy a pen, so you have added that item two times to cart using add to cart button, but in cart only one entry for item should be displayed with quantity as 2, so how you'll test this?
 14. 1 to 100 numbers will be flashed on screen only once and you have to find the missing number.
 15. I have a table and want to store all table data then which collection should be used and why?
 16. What HashMap will return?
 17. How to achieve inheritance without having interface?
 18. Method overloading and method overriding? Where used in framework?
 19. If I want that my class should not be extended and instance cannot be created by other class then how to declare class?
 20. How to store multiple values in one reference?
 21. In cucumber, in which class you have gluecode, how many classes for gluecode and what was the program line limit for class?
 22. How to find missing implementation in Cucumber?
 23. Used static data or dynamic data, what was the approach?
 24. How to resolve conflicts while pushing code in Git?
- Harman Interview question
- 1) Roles and responsibilities
 - 2) Explain what you done in SQL testing
 - 3) Explain SQL queries
 - 4) Explain What you done in API testing?
 - 5) Do you have experience in unix?
 - 6) Explain different types of defect management ?
 - 7) Explain Bug cycle
 - 8) Explain How you handle exception
 - 9) What is xpath? Type of X path. Explain each type
 - 10) What is Wait selenium, Different type of waits, Explain each waits
 - 11) How you convert string "HELLO" into String "hello"

SELENIUM with JAVA all interview room questions

Automation:

1. What is xpath and its types?
2. What is cross browser testing and parallel testing?
3. Challenges faced during selenium testing?
4. What is Actions class?
5. How to handle drop down in selenium?
6. How to handle multiple browser pop up?
7. How to handle multiple browser tabs in selenium?
8. How to perform upload file using selenium?
9. How to perform download file using selenium?
10. How to get all values of dropdown in selenium?
11. How to perform (control + a) through selenium?
12. How to shift between tabs of a same browser using selenium?
13. What is Robot class?
14. What is AutoIT?
15. What are the difference between get() and navigate()?
16. What are the difference between findElement() and findElements()?
17. What is difference between quit() and close()?
18. What are different locators used?

19. Difference between xpath and cssSelector?
20. Different approaches to click the submit button?
21. What is javascriptExecutor and when it is used?
22. Handling WebTable(static and dynamic) in selenium
23. What is POM? Advantage and its disadvantage?
24. What is maven? list its phases or life cycle? Command to run our project thro maven?
25. Explain ur project folder structure? Or Explain ur frame work?
26. What is testng?
27. How to create and delete cookies?
28. What does getWindowHandles() and getWindowHandle() return? Or its differences?
29. Is it possible to use only perform() without build()? 30. What is perform() and build()?
31. How to scroll the browser window?
32. Preceding sibling and following sibling of custom xpath?
33. What is test management tool used in ur project?
34. What is the build automation tool used in ur project?
35. How u will handle the SSL certification?
Or what is DesiredCapabilities?
36. How to verify 'Bangalore' present in dropdown box or not?
37. How to verify 'Bangalore' present in 4x4 webtable? And print the column and row number of it is present?
38. How to fetch the data from particular row and column of excel?
39. List all maven plugins like surefire plugin etc
40. What is jenkins? And explain its use?
41. Explain the tags present in testng.xml file
42. What is TDD?
43. What is BDD? Explain cucumber framework? What is gherkins?
44. What is Listener?
45. What is DataProvider?
46. What is parameterization?
47. What is PageFactory?
48. What is apache POI API? Or how to read data from excel?
49. What is explicit and implicit waits?
50. What are the challenges faced in automation testing?
51. Write code for handling multiple browsers and switch to new windows?
52. What is webdriver? And why webdriver is used?
53. List some selenium exceptions
54. What is StaleElementReferenceException? When this occurs? And how to overcome such exception?
55. How do you group the test cases? And why?
56. How to include or exclude test cases?
57. What is NullPointerException? When it occurs?
58. What is selenium grid?
59. Should have knowledge on all testng annotations.
60. How do you control the execution of your test cases/test classes?
61. Git and its commands
62. Maven commands to execute, debug, compile
63. What is the current version of maven used?
64. How to identify broken links? How you have done in your project? Write code or tell approach.
65. Write a code to fetch the value 'Test' from excel sheet which might be present in any cell in excel.
Or check whether value 'Test' is present in excel or not.
66. How to pass values to textbox other than using sendKeys()?
67. How to click login button other than using click(), submit() and JavascriptExecutor?
68. What is subversion?

Manual:

- 1.What are test design techniques?Explain BVA and ECP with some example?
- 2.Explain STLC
- 3.Explain Bug Life Cycle
- 4.What is the difference between bug and defect?
- 5.What is severity and priority?
- 6.Explain SDLC
- 7.What are the differences between smoke and sanity testing?
- 8.What are the difference between regression and re-testing?
- 9.What is sytem testing?
- 10.What is integration testing?
- 11.What are differences between test scenario and test case?
- 12.What are the differences between test plan and test strategy?
- 13.Write test cases for

1. Tell me about urself ? What Ur project is all about
2. Abstract class
3. Can we achieve multiple inheritance in java
4. Final and finally keyword difference
5. Collection hierarchy-
6. What is the difference between set and list
7. ArrayList and how it works
8. How u will switch to different Windows
9. Maven and it's lifecycle phases.
- 10 why maven preferred on other.
11. What plugins u used in maven
12. Pom.xml file and Trang.xml files difference
13. Nosuchelementexception and elementnotfound exception what is the difference between that
14. Cucumber - how much u know about it.
15. Who is writing feature files in ur project and who should write it by ur understanding
16. Can we have multiple catch after single try
17. Where u used collection in ur framework.
18. How to iterate arraylist
19. What is hashmap and how it works
20. Which framework u r using and in which layer u worked
21. Which version control tool Ur using

22. How u r merging Ur code to git
23. What and all commands u used it git
24. Write excel sheet code
25. If excel sheet is having one column as run and value for different testcases is Y or N then how u will make sure only Y value test cases will run
26. How to set priority for any test
27. How to enable or disable the test
28. How to use different testng annotations
29. How Ur framework has been built.
30. If u wanted to run only some specific tests then how u will make sure that

Jenkins Interview Questions*

What is Jenkins ?

What is the difference between Maven, Ant and Jenkins ?

Which SCM tools Jenkins supports ?

What are the various ways in which build can be scheduled in Jenkins ?

What is the relation between hudson and Jenkins ?

What you do to make sure that your project build doesn't break in Jenkins ?

What you do when you see a broken build for your project in Jenkins ?

Mention Jenkins?

Explain what is continuous integration?

What is the requirement for using Jenkins?

Mention what are the advantages of Jenkins?

Explain how you can move or copy Jenkins from one server to another?

Mention what are the commands you can use to start Jenkins manually?

Mention some of the useful plugins in Jenkin?

Explain how you can deploy a custom build of a core plugin?

Explain how can create a backup and copy files in Jenkins?

Explain how you can clone a Git repository via Jenkins?

Explain how you can set up Jenkins job?

Mention what are the two components Jenkins is mainly integrated with?

What is the difference between Maven, Ant and Jenkins ?

Which SCM tools Jenkins supports ?

What are the various ways in which build can be scheduled in Jenkins ?

What is the relation between hudson and Jenkins ?

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How can you setup Jenkins jobs?

What are the two components Jenkins is mainly integrated with?

How can you move or copy Jenkins from one server to another?

F2F Interview

Technical Round -1

01. What is the primary key and unique key?
02. How many joins are there any difference?
03. Difference between join and union?
04. Select top 3 max salary employees by depts.
05. Difference between where and having and use of it?
06. Different types of Date functions?
07. What are the grouping functions?
08. Which function is used to get the current date?
09. What is a subquery?
10. What is indexing?"

Technical Round -2

"What is a class?

02. What is the difference between heap and stack?
03. What is the difference between instance variable and a local variable?
04. What is Constructor? Types of Constructor?
05. Difference between Break and Continue?
06. To exit the system from the current execution what command is used in java?
07. Addition features in Java 8?
08. Difference between for and for each loop in java and use of it?
09. Can we have multiple public class within a class?
10. What is inheritance? Types of inheritance? Do multiple inheritances allow in java? If not, why?
11. What is polymorphism? How we can achieve it?
12. Difference between method overloading and method overriding?
13. Can we achieve method overloading when two methods have an only difference in return type?
14. Method overloading and overriding examples in the Selenium project?
15. What is encapsulation?
16. What are IS-A and HAS-A relation in java With examples?
17. What is final and super keyword? Difference between them?
18. Explain runtime polymorphism and compile-time with examples?
19. Can the final/Static method be overloaded?
20. Can final/Static methods be overridden?
21. Can we overload the main method?
22. Can we execute a class without a main method?
23. What is Package?
24. What is an Abstract Class? Write an example code?
25. What is an Interface? What is the difference between the Abstract class?
26. Can we use private and protect access modified inside an Interface?
27. Can multiple inheritances support in Interface?
28. Examples of Abstract and Interface used in the selenium project?
29. What is Exception and what is the base class of it?
30. What is Final, Finally, Finalize?
31. What is done in finally block?
32. What is garbage collection java? How it is done?
33. What is the difference between Throws and Throw?
34. Gives some examples of java and Selenium?
35. What is Java Reflection, Singleton?
36. What is threading? How does multithreading achieve? How to initiate a thread in java? What do you mean by thread-safe?
37. What is the difference between collection and collections?
38. The collection is what type?
39. Difference between Array and ArrayList?
40. Difference between Set and HashSet?

41. Difference between HashMap and HasTable?
42. Difference between ArrayList and LinkList?
43. How do you use Map collection your project?
44. Can we have a duplicate key value in HasMap?
45. How to fetch values from a hashmap?

F2F Interview

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INTERVIEW QUESTIONS

Project specific Questions

1. What was the duration of your project?
2. Explain about your project.
3. How many testers were their on this project.
4. According to you which was the complex part of the project from testing point of view.
5. How did you do the testing of your project?
6. How many test cases have you designed? How many you wrote in a day?
7. How many bugs did you find?
8. Tell me any high Severity bugs that you found.
9. What happens when the client changes requirements?
10. Which tool you used for defect reporting?
11. What is the database used for your project.
12. In which technology this application is developed?

Company specific Questions

1. Where are you working currently?
2. How that Seed has sent you here for an interview when you are working in the same company.
3. Where it is located?
4. How many testers and developers are their?
5. Are testers and developers sitting at same location?
6. What is the hierarchy in testing team?
7. Whom do you report to?
8. Is this a dummy project?
9. How do you come to know about your tasks?
10. Are you a permanent employee?
11. How long you are working in Seed?
12. Can you name some clients of your company?

HR Questions

1. Introduce yourself.
2. What are your strengths?
3. What are your weaknesses?
4. What you do not like in this world?
5. How do you commute?
6. Are you a team player?

7. How long will you take to join?
8. Are you ready to work on contract position?
9. Where would you like to see yourself 5 years down the line.
10. Are you a permanent employee?

1. Define what is Software Testing?
2. What is difference between Severity and Priority?
3. What is difference between Regression and Retesting?
4. What is the Role of the Tester?
5. How will you convince a developer who is not ready to resolve the bug you have raised?
6. What is difference between Debugging and Unit testing?
7. Have you done White Box Testing? Do you know what type of bugs you can trace through this type of testing?
8. What is the important column in Test case?
9. What is the use of any Test Case Management tool?
10. Why Testing is necessary?
11. What is the Bug Life Cycle?
12. How do you decide which test cases to consider for Regression Testing?
13. Is testing QA or QC?
14. Differentiate between Integration Testing and System Testing.
15. Have you participated in User Acceptance Testing (UAT)?
16. Have you seen a Test Plan? Who prepares it ?
17. What are the various contents of a Test Plan?
18. What methods of Black Box Testing you have used?
19. Do you know Exploratory Testing?
20. What is Prototyping? What are the various types?
21. Define phases of SDLC.
22. Which SDLC model your company follows?
23. When do we write Stubs?
24. What is the use of Driver script?
25. What kinds of reviews are conducted during SDLC phase?
26. What is the role of Metrics in Testing?
27. What are key challenges of Software Testing field?
28. Explain your views about Quality.
29. What is the advantage of using any bug tracking tool.
30. Explain about website Usability testing.
31. What are defect attributes?
32. What is pesticide paradox?
33. Explain V model.
34. What is Load and Stress testing, explain with example
35. Differentiate between Verification and Validation?
36. Explain Boundary Value Analysis with an example.
37. What is the difference between Web application and Client Server Application?
38. What is Localization testing?
39. What is difference between Black box testing and White box testing?
40. What is the difference between Authentication and Authorization give an example.
41. Other than functionality what else you should test in Web Application?
42. How you know that testing is enough?
43. How will you test the reports?
44. What is compatibility testing?
45. If we test the application on IE 8 then is it necessary to test it on IE 7?
46. Difference between Smoke & Sanity testing.
47. What is the difference between Requirement specification & Functional Specification?
48. On what basis you will decide whether all the requirements are covered in the test cases?
49. What is Database? Which database you are aware of?

50. What is Database Testing?
51. What is Cookies? Any idea on Cookies Testing?
52. Explain Spiral Model?
53. What are Stored Procedures?
54. How many types of Joins are their?
55. What are DML and DDL commands give example.
56. What is Normalization?
57. What is Primary key and Foreign key?
58. What is RDBMS?
59. What is difference between delete & truncate?
60. What design documents you receive from PM?
61. What are documents are created in Design phase?
62. What challenges you have faced in testing so far?
63. Have you seen our company web site? What are the usability defects you have found?
64. Differentiate between Load testing and Stress testing.
65. Which documents does the test team submit during testing period?
66. How will you test an application without and requirement documents?
67. What is windows registry?
68. What is Object, multiple Inheritance and Class in OOPS?
69. What is Multitasking, Multithreading and Multi processing?
70. What is Stack, and Queue in DS?
71. Explain STLC.
72. What is Functional Testing?
73. What activities are done in Inspection.
74. What is Deferred Defect?
75. In Defect Life cycle, you find that the defect is not fixed but the developer says that it is fixed will you every time tell the Project lead about that?
76. What is Equivalence Partitioning?
77. How many regression cycles you have participated in?
78. Realizing you won't be able to test everything - how do you decide what to test first?
79. What is SQA?
80. What are the contents of defect report?
81. Explain RTM template.
82. What is Big Bang type of testing?
83. What is Traceability Matrix & Coverage Matrix?
84. What is a fault, failure & defect?
85. Which is the efficient method to write (a) test scenario (b) Many test cases?
86. What is UAT and Alpha and Beta Testing?
87. Explain doubly and singly linked list?
88. Explain OOPS features?
89. What are the key challenges in testing?
90. What is Hot fix?
91. Where Exit and Entry Criteria are written in Test Plan?
92. What are different scenarios for verifying Email address?
93. What is the query for update table?
94. If there is mistake in company Logo, what is Priority and Severity Justify your answer?
95. Can Stub/Driver be use as an independent module?
96. Who prepares Test Plan in your organization?
97. Where feature to be tested and features not to be tested are written in test plan?
98. What is Test Strategy and Test Approach.
99. What is the data flow in your project?
100. Where Regression Testing comes in Defect Life Cycle
101. What is deference between Integration and System Testing
102. Examples of Non-Functional Testing?
103. What is difference between QC and QA?

104. If 4 modules are there like A, B, C and D. All are dependent on each other. If changes is done to Module C. Will you perform Regression Testing? If yes how many test case you run again?
105. How much test cases you wrote in a single day?
106. Are you submitting the defects you found each day or submit them when you finish a complete module?
107. What is Data Migration Testing? What are the different approaches followed in Data Migration?
108. What are broken links?
109. What is Closer Report?
110. What is System Testing?
111. What type of testing should we performed while testing a website
112. What is Security Testing? Different aspect we should cover while doing security Testing
113. Arrange the following testing types in sequence in which we test any application
Functional Smoke Integration System Sanity Retesting Regression
114. If same software convert English language PDF file to Spanish language word file And some lines are showing the converted data like @#\$\$\$%#%\$#%\$% (special Character). Then is it a functional issue or usability issue.
115. If any bug is reproducible only on Testing server and not on Development server, how you make sure that the developer fixes that bug .
116. If any bug is reproducible at client side (in production environment) not in the test environment what are the different possibilities that this scenario occurs.
117. What is security testing?
118. What is Installation Testing?
119. What is Application Server? Give example.
120. Have you come across any severe bugs in your application and did you contribute so that it gets resolved.
121. Have you ever prepared Test Plan?
122. How you define Severity to a Bug?
- 123 You are given little understanding of application, how much time will you take to understand it?
124. What do you think why software has bugs?
125. Explain error guessing with an example.
126. In bug life cycle, who opens the bug?
127. What is Compatibility, Multiplatform and Configuration testing?
128. What are Session and Cookies and what is difference between them?
129. What is the process followed in your company for testing?
130. What is Mutation testing?
131. Difference between Ad-hoc & Exploratory testing?
132. What is Test Suit?
133. How you are tracking defects?
134. What Qualities does QA Engineer Require?
135. What are CMM Levels?
136. Does Code review come under white box testing?
137. You have been given a form, how will you test it?
138. What is Static and what is Dynamic Web Page?
139. Difference between HTTP and HTTPS? Explain how the data is secured in HTTPS?
140. Have you heard of Agile Methodology? Explain?
141. Have you used any Configuration Management tool?
142. Do we always need to do regression after retesting?
143. What is Web server? Which web servers you know?
144. What is Inter-system testing? Have you done that?
145. What is a build? What is the release?
146. What is production server?
147. What is Recovery Testing?
148. Any disadvantages of V model?
149. What are the properties of a good Requirements Document?
150. What is Accessibility Testing?

151. Write test cases on :

Chess board, white board, pen, water bottle, elevator, telephone instrument, mobile SMS service, ATM, Ceiling fan

2017 Selenium Automation Testing Interview questions asked in MNC's

Asked Automation Interview Questions in MNC's

Company (1)

- 1) Tell me about yourself?
- 2) Tell me Your Roles and Responsibility?
- 3) Have you worked on designing?
- 4) Flow of your framework, Model project?
- 5) Define Encapsulation?
- 6) Difference between method overloading and method overriding?
- 7) Interface and abstract?
- 8) Define Interface?
- 9) Static keyword in java?
- 10) explain "this" keyword?
- 11) Multiple and Multilevel Inheritance.
- 12) Different types of Exceptions.
- 13) Define Checked and Unchecked exception.
- 14) Difference between List and Set.
- 15) What is ArrayList?
- 16) Different types of "wait" in selenium, Describe each with syntax.
- 17) How to handle web based popups?
- 18) What are different types of alert method?
- 19) How to switch from one window to another?
- 20) What is table handle and window handle?
- 21) How to read & write data from excel sheet?
- 22) How to take screenshot in selenium?
- 23) How to highlight a link in selenium?
- 24) What is additional setting and proxy setting in selenium?
- 25) What is Firefox Profile?
- 26) What is Jenkins?
- 27) How to upload data in Jenkins?
- 28) Jar files for logging
- 29) Automation of testing
- 30) Parameterized in TestNG
- 31) Execute test case parallel in TestNG?
- 32) Can you give some Priority to two test cases?
- 33) Parallel parameter= true? Explain.
- 34) Have you worked on SQL query? What you have done?
- 35) What is Primary Key please explain.
- 36) If there are same multiple entry in the table, how to find Unique element in the table?
- 37) How to get 3rd Highest Salary from employee table?
- 38) How to find any particular date of joining of employee from Employees table, date is in number format then how to change it to character format?

Asked Automation Interview Questions in MNC's

Company (2)

- 1) Tell me about yourself?
- 2) What is payroll? Explain about your project with your rolls and responsibility?
- 3) What is Integration testing you performed in your project please explain with scenarios.
- 4) Types of Integration testing.
- 5) What is hybrid Integration testing?
- 6) Explain Top-down and Bottom-up Integration testing.

- 7) What is depth and breadth means in Integration testing?
- 8) In Integration testing which testing performed first?
- 9) Tell me about System Integration testing?
- 10) Have you written any Test Plan?
- 11) Parameter used in creating test plan?
- 12) Why Regression testing is required?
- 13) If fault found who will be originally documented by?
- 14) Have you logged any defect?
- 15) What is V-Model?
- 16) What is end to end testing?
- 17) What is use case?
- 18) Difference between use case and test case?
- 19) What is boundary values analysis?
- 20) What is traceability matrix?
- 21) Have you sending any test report?
- 22) What parameter you used to send test report?
- 23) What is spike testing?
- 24) What is soap testing?
- 25) Why Bug occur?
- 26) What is difference between manual and automation testing?
- 27) What is better manual or automation testing?
- 28) Manual testing framework?
- 29) What is execution testing and non-execution testing?
- 30) Any query?

Asked Automation Interview Questions in MNC's Company (3)

- 1) How many Test Cases you have automated till yet?
- 2) How many Test Cases you have executed in regression in current project?
- 3) Total test cases count in regression suite?
- 4) How much time it will take to prepared & execute these 80 test cases of regression test suite
- 5) Did you face any difficulty at the time to preparing Test Suite?
- 6) Did all the test case passed when you execute regression suite?
- 7) Did you got functional or non-functional defect?
- 8) Difference between private and public access modifiers?
- 9) Can private member of class be access outside the class?
- 10) Difference between private and protected?
- 11) How many web pages are opened in system can we count in selenium?
- 12) Difference between find element and find elements?
- 13) What is getWindowHandles();
- 14) What is web based popup and window based popups?
- 15) What is generic function in selenium?
- 16) How many generic function you have written in your current project? Please specify.
- 17) Did you know how to connect to excel sheet through java?
- 18) Do you know what is jenkins?
- 19) Did you performed continue integration in your current project?
- 20) Which framework you have used in your project?
- 21) Have you used TestNG in your project?

Asked Automation Interview Questions in MNC's Company (4)

- 1) Tell me about yourself?
- 2) How to read from property file in selenium and its method?
- 3) How to read excel file?

- 4) How to get Row count and Column count in excel file?
- 5) How to read cell data in excel?
- 6) Please explain Xpath.
- 7) How to perform double click on any component?
- 8) Did you perform any Data Base validation using java selenium code?
- 9) Difference between Abstract and Interface.
- 10) Can Interface be extended to another Interface?
- 11) Please give TestNG annotation details description.
- 12) Have you done any Parallel testing execution in selenium TestNG?
- 13) What kind of Report Generation you have done in TestNG? Is it XML, HTML excel report?

Tips to create a great, catchy and relevant resume

A resume is one of the most important parts and kind of a first impression when looking for a job. It helps an unknown person to know about someone's skills even without having met them in person. Are you tired of not getting enough calls even when there are openings and your skills match with the requirements? If so, there may be a need to recheck your resume. What is the importance of having a great and relevant resume and why its importance shouldn't be ignored? In a race, the one who starts well also has high chances of winning or finishing the race more efficiently than the ones who come up a bit less prepared or comes up unprepared. The same principle applies when starting to search for a dream job or any big MNCs. The first and foremost step includes preparing a resume that isn't just catchy or super fancy but fulfills the purpose. By purpose here, it must be easy for the interviewer or the ATS (Application Tracking System) or robot/automated driven process to shortlist it. If the resume doesn't get shortlisted, it isn't of any use even if it looks pleasing. Below are some simple tips to create a resume and how to avoid small mistakes which can help you get your resume shortlisted soon: -> Use relevant keywords and phrases - Using the right keywords and phrases helps the interviewer or robot/automated driven process to find if you match up with their requirements. In resume, keywords are words or short sentences which include skills (hard and soft), abilities, specific roles, current/previous job, positions, etc. Example - Head of Market Research, 5 years of experience in..., Automation Testing, Data Science, HR Admin, Good Communicator, Problem Solving Skills. There can be 100+ keywords related to one's kind of job or role but choosing the right keyword is of great significance. Mention the skills/tasks properly and understandably - Just mentioning your soft and hard skills, abilities, previous and current jobs/roles aren't enough, explain them too. If you write your position as a Project Test Lead and your tasks/skills as Team Management, Test Planning, Daily Scrum Calls, etc. Still, no one would understand the depth of knowledge you possess. Example - Involved in preparation of the Work Load Model (WLM) as part of Test Planning. Writing and explaining every role/task gives a better and clearer understanding of one's tasks or knowledge. Note: If you are mentioning any tool, it is good to mention its version and for what purposes you used it. -> Showcase your achievements - It is of no harm to let others know that you have put in more effort or taken extra initiatives apart from your routine work too. Mentioning about having an extra skill or certification not only enhances the resume but also increases the chance of selection for possessing more skills than others. But don't add any irrelevant accomplishments. -> Avoid writing just Jargon or Acronyms - By using Jargon/Acronyms like HR can be confused with Hiring Resource or Human Resource. So, avoiding just Jargon can help the interviewer get the proper meaning of what you are trying to convey. By using Acronyms and their full form both helps in the resume shortlisting process. Example - Amazon Web Services (AWS), Search Engine Optimization (SEO). -> Some sentences or too much personal information should be avoided - Using sentences like unemployed a year, references upon request, I know everything or I am an expert in every field... - these sentences may sound too arrogant and not so acceptable and should be avoided. Also, sharing too much personal information should be totally avoided. -> Have an appropriate Email Id - Having an email with the first and the last name looks better and professional than the fancy ones. Example - coolguy15@gmail.com, with having an id like this, the interviewer panel may not dismiss you but still, it looks unprofessional in the first place. -> Add Bullet points instead of writing long stories - The more readable and tidy the resume would look, the more interviewer would be interested in reading it and may ask questions from the resume itself. It would also

be clearer to the interviewer about your skills and how much it matches their requirements.-> Use the bold option to highlight and brackets to enhance the resume more - To make something eye-catching use a highlighter or bold option. By not bolding key points or important skills can lead to missing some important things. Similarly, brackets must be used to add some additional information or acronyms.-> And lastly, don't write anything which you won't be able to answer (short is sweet) - Writing something in the resume and then not being able to answer a few questions leave the impression that the resume maybe fake. Instead, it is best to not include anything which you aren't well versed about. *At a few places, there may be a need to share cover letter along with the resume, we will discuss it in the upcoming posts. So with the above points mentioned, we hope you find this post useful and are ready to create or enhance your resume using the mentioned tips. If you have any feedback or anything worthy to share, please write about your thoughts/ideas and mail us on contact@refermegroup.com

Testng is a testing framework that is capable of making Selenium tests easier to understand and of generating reports that are easy to understand.

By the help of multiple annotations as below:

@BeforeSuite
@BeforeTest
@BeforeClass
@BeforeMethod
@Test
@AfterMethod
@AfterClass
@AfterTest
@AfterSuite

@BeforeGroup
@AfterGroup

@DataProvider

Top 10 Java Coding Questions for Test Automation Developers

- 1- Write code to filter duplicate elements from an array and print as a list?
- 2- Write code to sort the list of strings using Java collection?
- 3- Write a function to reverse a number in Java?
- 4- Write a method to check prime no. in Java?
- 5- Write a Java program to find out the first two max values from an array?
- 6- Write a Java program to find the longest substring from a given string which doesn't contain any duplicate characters?
- 7- Write Java code to get rid of multiple spaces from a string?
- 8- Write Java code to identify a number as Palindrome?
- 9- Write Java code to swap two numbers without using a temporary variable?
- 10- Write a Java program to demonstrate string reverse with and without StringBuffer class?

Up skill with Multiskilling

Be a multiplexer or Demultiplexer QA

Sam: What's up buddy!!!!

Nil: Nothing is going well!!

Sam: Not many calls

Nil: Same here

Sam: *But you know Automation. Then how come??*

Nil: Even I am not sure?

Sam: Let's call up jenny

Jenny: What's up guys??

Nil & Sam: How to get calls & good % of hike in Coved Times?

Jenny: Become a multiplexer or Demultiplexer QA

Nil & Sam: What the hack is that now??

Jenny: Tell me definition of Multiplexer & Demutlipexer

Sam: Multiperx : multiple-input, single-output switch

Nil: Demultiplexer : single-input, multiple-output switch

Jenny: Cool

Sam & Nil: Plz explain :(

Jenny: Okay *Multipexer* first

Learn the implementation of a tool that you like say Selenium

In Multiple language such as Java, Python, JavaScript

This will allow you apply for multiple companies without changing the tool of your choice

Multiple language, Single tool

Nil: I am comfortable with Java. I do not want to learn any other language right now.

Jenny : then become Demultipexer QA

I mean learn implementation of Selenium, Appium & API using language of your choice

Single Language, Multiple tools

This will also allow you apply for mutiple companies

Nil: This sounds feasible to me

Sam: What should I do then ?

Jenny : I told you last time *RobotFramework*

Sam : Any other easy way ??

Jenny: (Stared for a minute) learn AUTOMATION using RPA with UiPATH

Sam: What's that ??

Jenny: Robotics process Automation

Sam : But its for process Automation, correct?

Jenny: We can perform TEST Automation as well. And by the way its

DRAG & DROP automation with very minimal knowledge of VB script

Annnd you can automate UI,API, Mobile, DB using UiPATH

Sam : How about demand and growth??

Jenny: It will boom soon so be ready :)

Manual Questions and Answers

1. What is Acceptance Testing?

Testing conducted to enable a user/customer to determine whether to accept a software product. Normally performed to validate the software meets a set of agreed acceptance criteria.

2. What is Accessibility Testing?

Verifying a product is accessible to the people having disabilities (deaf, blind, mentally disabled etc.).

3. What is Ad Hoc Testing?

A testing phase where the tester tries to 'break' the system by randomly trying the system's functionality. Can include negative testing as well. See also Monkey Testing.

4. What is Agile Testing?

Testing practice for projects using agile methodologies, treating development as the customer of testing and emphasizing a test-first design paradigm. See also Test Driven Development.

5. What is the Application Binary Interface (ABI)?

A specification defining requirements for portability of applications in binary forms across different system platforms and environments.

6. What is the Application Programming Interface (API)?

A formalized set of software calls and routines that can be referenced by an application program in order to access supporting system or network services.

7. What is Automated Software Quality (ASQ)?

The use of software tools, such as automated testing tools, to improve software quality.

8. What is Automated Testing?

Testing employing software tools which execute tests without manual intervention. Can be applied in GUI, performance, API, etc. testing. The use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions, and other test control and test reporting functions.

9. What is Backus-Naur Form?

A metalanguage used to formally describe the syntax of a language.

10. What is the Basic Block?

A sequence of one or more consecutive, executable statements containing no branches.

11. What is the Basis Path Testing?

A white box test case design technique that uses the algorithmic flow of the program to design tests.

12. What is the Basis Set?

The set of tests derived using basis path testing.

13. What is the Baseline?

The point at which some deliverable produced during the software engineering process is put under formal change control.

14. What you will do during the first day of job?

What would you like to do five years from now?

15. What is Beta Testing?

Testing of a rerelease of a software product conducted by customers.

16. What is Binary Portability Testing?

Testing an executable application for portability across system platforms and environments, usually for conformation to an ABI specification.

17. What is Black Box Testing?

Testing based on an analysis of the specification of a piece of software without reference to its internal workings. The goal is to test how well the component conforms to the published requirements for the component.

18. What is a Bottom-Up Testing?

An approach to integration testing where the lowest level components are tested first then used to facilitate the testing of higher-level components. The process is repeated until the component at the top of the hierarchy is tested.

19. What is Boundary Testing?

Test which focuses on the boundary or limit conditions of the software being tested. (Some of these tests are stress tests).

20. What is Bug?

A fault in a program, which causes the program to perform in an unintended or unanticipated manner.

20. What is Defect?

If software misses some feature or function from what is there in requirement it is called a defect.

21. What is Boundary Value Analysis?

BVA is similar to Equivalence Partitioning but focuses on "corner cases" or values that are usually out of range as defined by the specification. This means that if a function expects all values in the range of negative 100 to positive 1000, test inputs would include negative 101 and positive 1001.

22. What is Branch Testing?

Testing in which all branches in the program source code are tested at least once.

23. What is Breadth Testing?

A test suite that exercises the full functionality of a product but does not test features in detail.

24. What is CAST?

Computer-Aided Software Testing.

25. What is Capture/Replay Tool?

A test tool that records test input as it is sent to the software under test. The input cases stored can then be used to reproduce the test at a later time. Most commonly applied to GUI test tools.

26. What is CMM?

The Capability Maturity Model for Software (CMM or SW-CMM) is a model for judging the maturity of the software processes of an organization and for identifying the key practices that are required to increase the maturity of these processes.

27. What is Cause Effect Graph?

A graphical representation of inputs and the associated outputs effects which can be used to design test cases.

28. What is Code Complete?

The phase of development where functionality is implemented in entirety; bug fixes are all that is left. All functions found in the Functional Specifications have been implemented.

29. What is Code Coverage?

An analysis method that determines which parts of the software have been executed (covered) by the test case suite and which parts have not been executed and therefore may require additional

attention.

30. What is Code Inspection?

A formal testing technique where the programmer reviews source code with a group who ask questions analyzing the program logic, analyzing the code with respect to a checklist of historically common programming errors and analyzing its compliance with coding standards.

31. What is Code Walkthrough?

A formal testing technique where source code is traced by a group with a small set of test cases, while the state of program variables is manually monitored, to analyze the programmer's logic and assumptions.

32. What is Coding?

The generation of source code.

33. What is Compatibility Testing?

Testing whether the software is compatible with other elements of a system with which it should operate, e.g. browsers, Operating Systems, or hardware.

34. What is a Component?

A minimal software item for which a separate specification is available.

35. What is Component Testing?

Testing of individual software components (Unit Testing).

36. What is Concurrency Testing?

Multi-user testing geared towards determining the effects of accessing the same application code, module or database records. Identifies and measures the level of locking, deadlocking and use of single-threaded code and locking semaphores.

37. What is the Conformance Testing?

The process of testing that an implementation conforms to the specification on which it is based. Usually applied to test conformance to a formal standard.

38. What is Context Driven Testing?

The context-driven school of software testing is a flavor of Agile Testing that advocates continuous and creative evaluation of testing opportunities in light of the potential information revealed and the value of that information to the organization right now.

39. What is Conversion Testing?

Testing of programs or procedures used to convert data from existing systems for use in replacement systems.

40. What is Cyclomatic Complexity?

A measure of the logical complexity of an algorithm, used in white-box testing.

41. What is Data Dictionary?

A database that contains definitions of all data items defined during analysis.

42. What is Data Flow Diagram?

A modeling notation that represents a functional decomposition of a system.

43. What is Data Driven Testing?

Testing in which the action of a test case is parameterized by externally defined data values, maintained as a file or spreadsheet. A common technique in Automated Testing.

44. What is Debugging?

The process of finding and removing the causes of software failures.

45. What is Defect?

Non conformance to requirements or functional / program specification

46. What is Dependency Testing?

Examines an application's requirements for pre-existing software, initial states and configuration in order to maintain proper functionality.

47. What is Depth Testing?

A test that exercises a feature of a product in full detail.

48. What is Dynamic Testing?

Testing software through executing it. See also Static Testing.

49. What is Emulator?

A device, computer program, or system that accepts the same inputs and produces the same outputs as a given system.

50. What is Endurance Testing?

Checks for memory leaks or other problems that may occur with prolonged execution

51. What is End-to-End testing?

Testing a complete application environment in a situation that mimics real-world use, such as interacting with a database, using network communications, or interacting with other hardware, applications, or systems if appropriate.

52. What is the Equivalence Class?

A portion of a component's input or output domains for which the component's behaviour is assumed to be the same from the component's specification.

53. What is Equivalence Partitioning?

A test case design technique for a component in which test cases are designed to execute representatives from equivalence classes.

54. What is Exhaustive Testing?

Testing which covers all combinations of input values and preconditions for an element of the software under test.

55. What is Functional Decomposition?

A technique used during planning, analysis and design; creates a functional hierarchy for the software.

54. What is Functional Specification?

A document that describes in detail the characteristics of the product with regard to its intended features.

55. What is Functional Testing?

Testing the features and operational behaviour of a product to ensure they correspond to its specifications. Testing that ignores the internal mechanism of a system or component and focuses solely on the outputs generated in response to selected inputs and execution conditions. or Black Box Testing.

56. What is Glass Box Testing?

A synonym for White Box Testing.

57. What is Gorilla Testing?

Testing one particular module, functionality heavily.

58. What is Gray Box Testing?

A combination of Black Box and White Box testing methodologies? testing a piece of software against its specification but using some knowledge of its internal workings.

59. What is High Order Tests?

Black-box tests conducted once the software has been integrated.

60. What is the Independent Test Group (ITG)?

A group of people whose primary responsibility is software testing,

61. What is an Inspection?

A group review quality improvement process for written material. It consists of two aspects; product (document itself) improvement and process improvement (of both document production and inspection).

62. What is Integration Testing?

Testing of combined parts of an application to determine if they function together correctly. Usually performed after unit and functional testing. This type of testing is especially relevant to client/server and distributed systems.

63. What is Installation Testing?

Confirms that the application under test recovers from expected or unexpected events without loss of data or functionality. Events can include a shortage of disk space, unexpected loss of communication, or power out conditions.

64. What is Load Testing?

See Performance Testing.

65. What is Localization Testing?

This term refers to making software specifically designed for a specific locality.

66. What is Loop Testing?

A white box testing technique that exercises program loops.

67. What is Metric?

A standard of measurement. Software metrics are the statistics describing the structure or content of a program. A metric should be a real objective measurement of something such as number of bugs per lines of code.

68. What is Monkey Testing?

Testing a system or an Application on the fly, i.e just few tests here and there to ensure the system or an application does not crash out.

69. What is Negative Testing?

Testing aimed at showing software does not work. Also known as "test to fail". See also Positive Testing.

70. What is Path Testing?

Testing in which all paths in the program source code are tested at least once.

71. What is Performance Testing?

Testing conducted to evaluate the compliance of a system or component with specified performance requirements. Often this is performed using an automated test tool to simulate a large number of users. Also, know as "Load Testing".

72. What is Positive Testing?

Testing aimed at showing software works. Also known as "test to pass". See also Negative Testing.

73. What is Quality Assurance?

All those planned or systematic actions necessary to provide adequate confidence that a product or service is of the type and quality needed and expected by the customer.

74. What is a Quality Audit?

A systematic and independent examination to determine whether quality activities and related results comply with planned arrangements and whether these arrangements are implemented effectively and are suitable to achieve objectives.

75. What is a Quality Circle?

A group of individuals with related interests that meet at regular intervals to consider problems or other matters related to the quality of outputs of a process and to the correction of problems or to the improvement of quality.

76. What is Quality Control?

The operational techniques and the activities used to fulfil and verify requirements of quality.

77. What is Quality Management?

That aspect of the overall management function that determines and implements the quality policy.

78. What is Quality Policy?

The overall intentions and direction of an organization as regards quality as formally expressed by top management.

79. What is a Quality System?

The organizational structure, responsibilities, procedures, processes, and resources for implementing quality management.

80. What is a Race Condition?

A cause of concurrency problems. Multiple accesses to a shared resource, at least one of which is a write, with no mechanism used by either to moderate simultaneous access.

81. What is Ramp Testing?

Continuously raising an input signal until the system breaks down.

82. What is Recovery Testing?

Confirms that the program recovers from expected or unexpected events without loss of data or functionality. Events can include a shortage of disk space, unexpected loss of communication, or power out conditions

83. What is Regression Testing?

Retesting a previously tested program following modification to ensure that faults have not been introduced or uncovered as a result of the changes made.

84. What is Release Candidate?

A pre-release version, which contains the desired functionality of the final version, but which needs to be tested for bugs (which ideally should be removed before the final version is released).

85. What is Sanity Testing?

A brief test of major functional elements of a piece of software to determine if it's basically operational. See also Smoke Testing.

86. What is Scalability Testing?

Performance testing focused on ensuring the application under test gracefully handles increases in workload.

87. What is Security Testing?

Testing which confirms that the program can restrict access to authorized personnel and that the authorized personnel can access the functions available to their security level.

88. What is Smoke Testing?

A quick-and-dirty test that the major functions of a piece of software work. Originated in the hardware testing practise of turning on a new piece of hardware for the first time and considering it a success if it does not catch on fire.

89. What is Soak Testing?

Running a system at high load for a prolonged period of time. For example, running several times more transactions in an entire day (or night) than would be expected in a busy day, to identify and performance problems that appear after a large number of transactions have been executed.

90. What is the Software Requirements Specification?

A deliverable that describes all data, functional and behavioural requirements, all constraints, and all validation requirements for software/

91. What is Software Testing?

A set of activities conducted with the intent of finding errors in software.

92. What is Static Analysis?

Analysis of a program carried out without executing the program.

93. What is Static Analyzer?

A tool that carries out static analysis.

94. What is Static Testing?

Analysis of a program carried out without executing the program.

95. What is Storage Testing?

Testing that verifies the program under test stores data files in the correct directories and that it reserves sufficient space to prevent unexpected termination resulting from lack of space. This is external storage as opposed to internal storage.

96. What is Stress Testing?

Testing conducted to evaluate a system or component at or beyond the limits of its specified requirements to determine the load under which it fails and how. Often this is performance testing using a very high level of simulated load.

97. What is Structural Testing?

Testing based on an analysis of internal workings and structure of a piece of software. See also White Box Testing.

98. What is System Testing?

Testing that attempts to discover defects that are properties of the entire system rather than of its individual components.

99. What is Testability?

The degree to which a system or component facilitates the establishment of test criteria and the performance of tests to determine whether those criteria have been met.

100. What is Testing?

The process of exercising software to verify that it satisfies specified requirements and to detect errors. The process of analyzing a software item to detect the differences between existing and required conditions (that is, bugs), and to evaluate the features of the software item (Ref. IEEE Std 829). The process of operating a system or component under specified conditions, observing or recording the results, and making an evaluation of some aspect of the system or component. What is Test

Automation? It is the same as Automated Testing.

101. What is Test Bed?

An execution environment configured for testing. May consist of specific hardware, OS, network topology, the configuration of the product under test, other application or system software, etc. The Test Plan for a project should enumerate the test beds(s) to be used.

102. What is a Test Case?

Test Case is a commonly used term for a specific test. This is usually the smallest unit of testing. A Test Case will consist of information such as requirements testing, test steps, verification steps, prerequisites, outputs, test environment, etc. A set of inputs, execution preconditions, and expected outcomes developed for a particular objective, such as to exercise a particular program path or to verify compliance with a specific requirement. Test-Driven Development? Testing methodology associated with Agile Programming in which every chunk of code is covered by unit tests, which must all pass all the time, in an effort to eliminate unit-level and regression bugs during development. Practitioners of TDD write a lot of tests, i.e. an equal number of lines of test code to the size of the production code.

103. What is Test Driver?

A program or test tool used to execute tests. Also known as a Test Harness.

104. What is Test Environment?

The hardware and software environment in which tests will be run, and any other software with which the software under test interacts when under test including stubs and test drivers.

105. What is Test First Design?

Test-first design is one of the mandatory practices of Extreme Programming (XP). It requires that programmers do not write any production code until they have first written a unit test.

106. What is Test Harness?

A program or test tool used to execute tests. Also known as a Test Driver.

107. What is Test Plan?

A document describing the scope, approach, resources, and schedule of intended testing activities. It identifies test items, the features to be tested, the testing tasks, who will do each task, and any risks requiring contingency planning.

108. What is Test Procedure?

A document providing detailed instructions for the execution of one or more test cases.

109. What is Test Script?

Commonly used to refer to the instructions for a particular test that will be carried out by an automated test tool.

110. What is Test Specification?

A document specifying the test approach for a software feature or combination of features and the inputs predicted results and execution conditions for the associated tests.

111. What is the Test Suite?

A collection of tests used to validate the behaviour of a product. The scope of a Test Suite varies from organization to organization. There may be several Test Suites for a particular product for example. In most cases, however, a Test Suite is a high-level concept, grouping together hundreds or thousands of tests related by what they are intended to test.

112. What is Test Tools?

Computer programs used in the testing of a system, a component of the system, or its documentation.

113. What is Thread Testing?

A variation of top-down testing where the progressive integration of components follows the implementation of subsets of the requirements, as opposed to the integration of components by successively lower levels.

114. What is a Top-Down Testing?

An approach to integration testing where the component at the top of the component hierarchy is tested first, with lower-level components being simulated by stubs. Tested components are then used to test lower-level components. The process is repeated until the lowest level components have been tested.

115. What is Total Quality Management?

A company commitment to develop a process that achieves high-quality product and customer

satisfaction.

116. What is the Traceability Matrix?

A document showing the relationship between Test Requirements and Test Cases.

117. What is Usability Testing?

Testing the ease with which users can learn and use a product.

118. What is a Use Case?

The specification of tests that are conducted from the end-user perspective. Use cases tend to focus on operating software as an end-user would conduct their day-to-day activities.

119. What is Unit Testing?

Testing of individual software components.

120. how do the companies expect the defect reporting to be communicated by the tester to the development team. Can the excel sheet template be used for defect reporting? If so what are the common fields that are to be included? who assigns the priority and severity of the defect

To report bugs in excel:

Sno. Module Screen/ Section Issue detail Severity

Priority Issue status

this is how to report bugs in the excel sheet and also set filters on the Columns attributes.

But most of the companies use the share point process of reporting bugs In this when the project came for testing a module wise detail of the project is inserted to the defect management system they are using. It contains the following field

1. Date
2. Issue brief
3. Issue description(used for the developer to regenerate the issue)
4. Issue status(active, resolved, on-hold, suspend and not able to regenerate)
5. Assign to (Names of members allocated to project)
6. Priority(High, medium and low)
7. Severity (Major, medium and low)

121. How do you plan test automation?

1. Prepare the automation Test plan
2. Identify the scenario
3. Record the scenario
4. Enhance the scripts by inserting checkpoints and Conditional Loops
5. Incorporated Error Handler
6. Debug the script
7. Fix the issue
8. Rerun the script and report the result

122. Does automation replace manual testing?

There can be some functionality which cannot be tested in an automated tool so we may have to do it manually. therefore manual testing can never be replaced. (We can write the scripts for negative testing also but it is a hectic task).When we talk about the real environment we do negative testing manually.

123. How will you choose a tool for test automation?

choosing of a tool depends on many things ...

1. Application to be tested
2. Test environment
3. Scope and limitation of the tool.
4. Feature of the tool.
5. Cost of the tool.
6. Whether the tool is compatible with your application which means tool should be able to interact with your application
7. Ease of use

124. How you will evaluate the tool for test automation?

We need to concentrate on the features of the tools and how this could be beneficial for our project.

The additional new features and the enhancements of the features will also help.

125. How you will describe testing activities?

Testing activities start from the elaboration phase. The various testing activities are preparing the test plan, Preparing test cases, Execute the test case, Log the bug, validate the bug & take appropriate action for the bug, Automate the test cases.

126. What testing activities you may want to automate?

Automate all the high priority test cases which need to be executed as a part of regression testing for each build cycle.

127. Describe common problems of test automation.

The common problems are:

1. Maintenance of the old script when there is a feature change or enhancement
2. The change in the technology of the application will affect the old scripts

128. What types of scripting techniques for test automation do you know?

5 types of scripting techniques:

Linear

Structured

Shared

Data-Driven

Key Driven

129. What is memory leaks and buffer overflows?

Memory leaks mean incomplete deallocation - are bugs that happen very often. Buffer overflow means data sent as input to the server that overflows the boundaries of the input area, thus causing the server to misbehave. Buffer overflows can be used.

130. What are the major differences between stress testing, load testing, Volume testing?

Stress testing means increasing the load, and checking the performance at each level. Load testing

means at a time giving more load by the expectation and checking the performance at that level.

Volume testing means first we have to apply initially.

: ****Here is list of Interview questions asked me during API Automation interview*****

1) How to parse a json

2) How to parse a xml

3) How to Insert key:value based upon some searching criteria

4) Write code for conversion of json to xml and xml to json

5) what do you mean by query parameter and path parameter

6) what is the difference between put and patch

7) what are the validation while API automation

8) Explain your framework(Rest Assured)

9) what do you mean my object notation and array notation in json

10) write code for json Read

11) what do you mean by POJO why we use POJO

- 12) what do you mean by authentication and what are the types of authentication while API testing
- 13) what is the difference between URI and URL
- 14) how do you store result and use further in groovy scripting
- 15) what do you mean by Test runner in groovy scripting
- 16) what is the Rest service architecture
- 17) what is the soap service architecture
- 18) what is the soap ui work hierarchy
- 19) how to set and get property using groovy scripting
- 20) what do you mean by jsonsluper and xmlholder
- 21) how to convert json to Hashmap
- 22) what do you mean by Data source Data Sink and Data Source loop and why do we use it
- 23) how to handle SSL in SoapUI
- 24) what are the different type of properties in SoapUI how you declare using groovy scripting
- 25) What is the main thing while API automation.
- 26) what do you mean by Webservices and why do we use Webservices.
- 27) what is the difference between soap and Rest.
- 28) what do you mean by UDDI .and what do you mean by WSDL.
- 29) what are the different type of HTTP Methods.
- 30) how to parse a list from a json for example there is json and there are multiple IDs how you will parse all the IDs from json and how you will parse a particular I'd from that json.

- 1). What do you mean by automation testing or test automation?
- 2). Are there any benefits of automation testing over manual testing?
- 3). Selenium is a single testing tool, then why it is taken as a suite by professionals?
- 4). What are selenium supporting testing types?
- 5). Are there any drawbacks of selenium testing tool?
- 6). What do you understand by the term "Selenese"?
- 7). How to identify web elements in Selenium?
- 8). Explain the meaning of XPath in Selenium?
- 9). How to count a number of elements on a page?
- 10). Can you name the popular selenium tool used by large industries worldwide?
- 11). Explain about the waiting methods in selenium Web Driver?
- 12). Where the implicit waiting method and explicit it waiting method can be used in your script?
- 13). Is there any technique to check either button is enabled on the page or not?
- 14). Is there any technique to check either particular element is visible on the page or not?
- 15). Name the different type of drivers available in Web Driver?

- 16). Name the different type of mobile testing drivers supported in Web Driver?
- 17). Name the programming languages that are used by Web Driver to write the test cases?
- 18). Do you know the difference between assert commands and verifying commands in Selenium Web Driver?
- 19). Explain the difference between "/" and "//" in XPath Selenium Web Driver?
- 20). Name the different type of annotations used in Selenium WebDriver?
- 21). Which selenium technology is useful for distributed data processing?
- 22). How will you check result of text execution in Selenium IDE?
- 23). How can you modify test cases in Selenium IDE?
- 24). Explain the significance of JUnit in Selenium testing tool?
- 25). How to add meta-data in JUnit selenium testing tool?
- 26). How will you explain the difference between quit () and close () methods in Selenium?
- 27). Why was the concept of waiting method introduced in Selenium? Name the type of waits in Selenium?
- 28). Is there any drawback of implementing implicit waits in Selenium?
- 29). Why Selenium tools fail sometimes?
- 30). Name the four parameters that have to be passed in Selenium?
- 31). How to handle an Authentication Pop-up using Selenium WebDriver?
- 32). The Selenium script runs in Chrome but not in IE. What can be done?
- 33). What is the difference between ChromeOptions and Desired Capabilities?
- 34). Is it possible to do responsive web design testing using Selenium?
- 35). What is the need of database automation testing? Is it possible to perform database testing with Selenium?
- 36). Why are assertions important in Selenium? What are different types of assertions?
- 37). What is a data-driven framework? How does data Provider help in data driven testing?

Interview questions Capgemini

1. What is meant by method overriding and how does JVM decide at run time which method to call
2. Give an example of method overriding in your framework
3. What is method overloading and give an example of it in your project
4. What is an interface and how have you used it in your framework
5. What is object class and name some object class methods
6. What is abstract class and why do we use it
7. What is difference in interface and abstract class
8. How will you handle several open windows through selenium
9. What class does the getWindowHandles method belong to
10. What methods are available in actions class and alert class
11. How can you perform database validation that if your UI data has been updated correctly in the database or not through selenium
12. How can you rerun only failed scripts in your framework
13. What are oops concepts and give an example of each in your project

Tech Mahindra interview questions related to selenium and protractor

1. Why protractor? When we have selenium
2. What are the protractor related locators?
3. If answered above, then a question from a locator specific how to write a syntax of it and where we use.
- Note: To me they asked about Locator Repeater. When we use it?
4. About Tag Name locator and syntax of it? When we use it?
5. Scenario: There are dynamic alert popups in a web page. Which we never know when the pop arise. How do you handle it?
6. In a chrome, the xpath is working fine for specific element where as In IE the same xpath for the web

element is not working. How do you handle in IE?

7. How to use asserts in protractor?

8. How to fetch the value or data from an Excel for specific cell in a row?

9. Where the project located in your company and how you process with it?

10. Which is better merge or rebase?

11. How to will run the test without using jenkins for every one hour?

"1. Write a code (any language you are proficient in) such that when passed two arrays of names, it will return an array containing the names that appear in either or both arrays. The returned array should have no duplicates.

For example,

Input :

Array 1 - {'Ava', 'Emma', 'Olivia'}

Array 2 - {'Olivia', 'Sophia', 'Emma'}

Output : should return an array containing Ava, Emma, Olivia, and Sophia in any order.

2. Write a code (any language you are proficient in) to check the biggest palindrome in a given array.

For example:

Input: Array - {aaa, aba, adda, acdea, aeda }

Output : The biggest palindrome is adda

"

+++++

#Coding Exercise - 27

+++++

Given an array of ints, return true if every element is a 1 or a 4.

Ex1:([1, 4, 1, 4]) → true

Ex2:([1, 4, 2, 4]) → false

Ex3:([1, 1]) → true

Ex4:([4]) → true

+++++

#Coding Exercise - 26

+++++

Return the sum of the numbers in the array, except ignore sections of numbers starting with a 6 and extending to the next 7. (every 6 will be followed by at least one 7). Return 0 for no numbers.

Ex1: [1, 2, 2] → 5

Ex2: [1, 2, 2, 6, 7] → 5

Ex3: [1, 1, 6, 7, 2] → 4

How many types of TestNg Listeners we have

Total we have 10

1 ITestListener

2 IAnnotationTransformer

3 IInvokedMethodListener

4 ISuiteListener

5 IReporter

6 IConfigurable

7 IExecutionListener
8 IHookable
9 IMethodInterceptor
10 IConfigurationListener

Many people share interview experiences with me for sharing with other.

I have analysed (561) them and found:-

1. 92% interviews are on automation testing.
2. At least one programming question is asked in all interviews.
3. Min 2 programming questions were asked in 63% interviews.
4. String based programming questions are mostly asked.
5. Arrays based interview questions are second.
6. Data structures were asked in 30% interviews.
7. Testing related questions ratio is 2:10.
8. Selenium/API framework questions were in all interviews.
9. Sql and unix are common asked.
10. You are expected to know cloud based technologies.
11. Questions on API testing are asked in 47% interviews.
12. Questions on Jenkins, maven, Git in 86% interviews.
13. Selenium vs Java questions ratio is 3:10.

Hope it will help you to prepare well.

Priority order:

1. Core Java
2. Selenium
3. Testing questions
4. Framework used and explain

Sound knowledge of one programming language is must for automation

1. Java program to find duplicates
 2. Java program to find product without using multiplication
 3. Can we achieve multiple inheritance
 4. Difference between merge and rebase
 5. What is selenium
 6. If there is textbox, which accepts 100 character only, when you start typing the tooltip should be there displaying how many characters are left. How will you validate the how many count are left
 7. How do you decide which testcase is feasible for automation or not
 8. Questions on agile - process, scrum framework, retrospective meeting, team
 9. Questions on Api testing - different status code, idempotent method , some scenarios as well.
 10. How will you connect the db to java,
- SQL query - find the second largest salary

[27/12/2020, 11:31 am] +91 90825 25926: Q. One of the most common situation, how will you start Testing without any functional specification or any related documents?

A. No wonder there are sometimes these kind of situations, ex. Resource attrition, no-documentation-with-agile-projects, etc. The only hope in these situations is 'Exploratory Testing'. Since there are no



documents to refer, refer the application directly Explore it, Test it. Gradually the flows make sense and we actually start testing it. Other option is to sit with Business analysts and developers to

get application understanding – listening to experts instead of reading a document. Personally I like to build a document thereafter, so that someone joining after me doesn't have to face this kind of challenge!

Cognizant 2nd round Interview Questions :

1. About urself
2. Tell Cucumber options
3. Hooks in cucumber
4. Cucumber reports
5. Why Background keyword used
6. About Git –command you can use to write a commit message?
7. How to resolve conflicts while committing code
8. How to get particular branch code from git
9. Pull,push, fetch and other commands
10. BitBucket
11. Program to retrieve Excel data
12. Which jar ur using for Excel
13. Properties file – how to retrieve data from property file code syntaxes
14. Collections(HashMap lo put anedi lekapothe em vadatav)
15. Set, List - difference (how you used in selenium)
16. Abstract and encapsulation difference
17. Interface and Abstract class difference and what keywords used for both in order to inherit?
18. `if we don't want to change the variable value then what should we use – final keyword
19. A class with parameterized constructor with 2 arguments(username, password). From main class how should you call this constructor?
20. Program : Webtable with 3 columns and 4 rows. I need 2nd column rows to be sorted and get the 4th row value
21. Steps to connect to db and retrieve data from DB – Code steps
22. API – How to retrieve data for child from parent tag
23. What are the exceptions faced while API testing

SELENIUM with JAVA all interview questions

☒Automation:☐

- 1.What is xpath and it's types?
- 2.What is cross browser testing and parallel testing?
- 3.Challenges faced during selenium testing?
- 4.What is Actions class?
- 5.How to handle drop down in selenium?
- 6.How to handle multiple browser pop up?
- 7.How to handle multiple browser tabs in selenium?
- 8.How to perform upload file using selenium?
- 9.How to perform download file using selenium?
- 10.How to get all values of dropdown in selenium?
- 11.How to perform (control + a) through selenium?
- 12.How to shift between tabs of a same browser using selenium?
- 13.What is Robot class?
- 14.What is AutoIT?
- 15.What are the difference between get() and navigate()?
- 16.What are the difference between findElement() and findElements()?
- 17.What is difference between quit() and close()?
- 18.What are different locators used?
- 19.Difference between xpath and cssSelector?
- 20.Different approaches to click the submit button?

- 21.What is javascriptExecutor and when it is used?
- 22.Handling WebTable(static and dynamic) in selenium
- 23.What is POM? Advantage and its disadvantage?
- 24.What is maven? list its phases or life cycle?Command to run our project thro maven?
- 25.Explain ur project folder structure? Or Explain ur frame work?
- 26.What is testng?
- 27.How to create and delete cookies?
- 28.What does getWindowHandles() and getWindowHandle() return? Or its differences?
- 29.Is it possible to use only perform() without build()? 30.What is perform() and build()?
- 31.How to scroll the browser window?
32. Preceding sibling and following sibling of custom xpath?
- 33.What is test management tool used in ur project?
- 34.What is the build automation tool used in ur project?
- 35.How u will handle the SSL certification?
Or what is DesiredCapabilities?
- 36.How to verify 'Bangalore' present in dropdown box or not?
- 37.How to verify 'Bangalore' present in 4x4 webtable? And print the column and row number of it is present?
- 38.How to fetch the data from particular row and column of excel?
- 39.List all maven plugins like surefire plugin etc
- 40.What is jenkins?And explain its use?
- 41.Explain the tags present in testng.xml file
- 42.What is TDD?
- 43.What is BDD? Explain cucumber framework?What is gherkins?
- 44.What is Listener?
- 45.What is DataProvider?
- 46.What is parameterization?
- 47.What is PageFactory?
- 48.What is apache POI API? Or how to read data from excel?
- 49.What is explicit and implicit waits?
- 50.What are the challenges faced in automation testing?
- 51.Write code for handling multiple browsers and switch to new windows?
- 52.What is webdriver?And why webdriver is used?
- 53.List some selenium exceptions
- 54.What is StaleElementReferenceException?When this occurs?And how to overcome such exception?
- 55.How do you group the test cases? And why?
- 56.How to include or exclude test cases?
- 57.What is NullPointerException?When it occurs?
- 58.What is selenium grid?
- 59.Should have knowledge on all testng annotations.
- 60.How do you control the execution of your test cases/test classes?
- 61.Git and its commands
- 62.Maven commands to execute,debug,compile
- 63.What is the current version of maven used?
- 64.How to identify broken links?How you have done in your project?Write code or tell approach.
- 65.Write a code to fetch the value 'Test' from excel sheet which might be present in any cell in excel.
Or check whether value 'Test' is present in excel or not.
- 66.How to pass values to textbox other than using sendKeys()?
- 67.How to click login button other than using click(), submit() and JavascriptExecutor?
- 68.What is subversion?

Manual:

- 1.What are test design techniques?Explain BVA and ECP with some example?
- 2.Explain STLC

- 3.Explain Bug Life Cycle
- 4.What is the difference between bug and defect?
- 5.What is severity and priority?
- 6.Explain SDLC
- 7.What are the differences between smoke and sanity testing?
- 8.What are the difference between regression and re-testing?
- 9.What is sytem testing?
- 10.What is integration testing?
- 11.What are differences between test scenario and test case?
- 12.What are the differences between test plan and test strategy?
- 13.Write test cases for pen
- 14.Write test cases for calculator
- 15.Write test cases for calendar
- 16.What is RTM?
- 17.What is agile methodology?Explain it.
- 18.How is agile better than waterfall model?
- 19.What is scrum?
- 20.What is sprint?Explain the sprint cycle in your project?

☒CoreJava:☒

- 1.What is static?
- 2.What is interface?
- 3.What is abstract class?
- 4.What is the difference between interface and abstract class?
- 5.Difference between HashMap and Hashtable?
- 6.Difference between List and Set?
- 7.Can we create object for abstract class?if not, why?
- 8.Whether we can declare class as static?
- 9.Polymorphism w.r.t variables and methods? Or overriding and overloading?
- 10.In what way we can sort the elements(default and custom sort) present in array and any of the collection objects?
- 11.How to generate random number in java?And also generate random numbers of format 'A23BC'?
- 12.Is it possible to call a protected data members of one package in another package? Similarly all other access modifiers and its data members scope from other packages?
- 13.What is thread?
- 14.Pre-increment/decrement and post-increment/decrement
- 15.What is singleton class?
- 16.Explain List
- 17.Explain Set
- 18.Explain Map
- 19.Why strings are immutable?
- 20.What is exception?And its types?
- 21.What is checked and unchecked exception?
- 22.What is comparable and comparator?
- 23.All oops concepts in single program.Explain OOPS

☒Coding:☒

- 1.Write a java program
- 2.Print from 1 to 10 without using any loop
- 3.Reverse a string without using built in methods
- 4.Reverse each words in a sentence(string)without changing the order of words
- 5.Reverse a string without using any loop or built in function
- 6.Remove spaces from string without using replace()
- 7.Print occurrences of distinct letters present in string

8. Print the indexes of specified letter in string
9. Print the returned indexes of 2 elements from an array[2,4,3,6,8,7] where addition of 2 elements is equal to target sum=7
10. Transpose a matrix using 2D array concept
11. Print the first repeated character from a string
Ex: abcdcba , output:c
12. Find whether the string is having unique characters or not
13. Write a program to remove duplicates from an array without using collection? (Note: new array shld have its size equal to unique number of elements present in given array)
14. Write a program to print fibonacci series
15. Find and print the maximum character present in string

☒Project:☒

1. Explain about your project?
 2. Tell me your roles and responsibilities
 3. What type of tests you have performed?
 4. What is hybrid testing framework? List the frameworks used in your project?
 5. How many test cases you have automated?
 6. How many % of your application is automated?
 7. If captcha is present in your project, how you automate it?
 8. List all challenges faced in ur project.
 9. How u report that there is bug in software?
 10. Who all joins the scrum meeting calls?
 11. Have you implemented framework from scratch?
 12. When you start writing test cases/test scripts?
 13. How can be a good selenium test cases written?
- [21/01, 12:35 pm] +91 77740 55251: Interview Questions on selenium cucumber :-
1. Where u have used reusability method in yr project
 2. How to execute multi browser in yr project?
 3. How to trace new requirement with old requirement?
 4. If the variable name is changing how u are handling in yr project using reusable method
 5. If the page contains product name tv and have different pages how to navigate and find the product?
I said windows handling but not accepted
 6. Explain framework structure
 7. Y using testng.xml in bdd
 8. How to execute cross browser in testng.xml ?using config file and browser utility files
 9. How to pass test data in bdd framework
I said webtable data using pipeline or excel but question was repeating for me
 10. What are the test deliverables in details to client format they asked
 11. If element is not visible how to handle
 12. Radio button to check displayed ore not
 13. Navigation methods
 14. Roles and responsibilities
 15. Tell abt yrself
 16. Abt framework
- If anyone knows the answer practically please give some example and explain here
It wud be useful for me to gain knowledge

MANUAL TESTING INTERVIEW QUESTION

- What is Manual Testing ?
What is Regression Testing ?

What is JSON wire protocol
What is JSON ?
What is Automation Testing ?
What is Re-Testing ?
What is Smoke Testing?
What is Functional Testing?
What is Unit Testing ?
What is User Acceptance Testing ?
What is F rule is Web Testing?
What is life cycle of Testing ?
What is Sanity testing ?
What tool is used for Manual Testing?
What is Build ?
What is Release?
What is Sprint in agile?
What is Sprint Backlog?
What is Product backlog?
What is the time limit of a sprint in Agile ?
What is Agile ?
What is User story in Manual Testing ?
What is Test case ?
What is Bug in Manual Testing?
What is Epic ?
What is Change request ?
What is Enhancement Request?
What are the types of bug?
What is static testing ?
What is Black box testing?
What is white box testing ?
What is Test Plan ?
What are the contents of Test Plan ?
What is Verification and validation ?
What is SDLC and STLC?
What is Equivalent Testing ?
What is boundary testing?
What is dynamic Testing ?
What is difference between static testing and dynamic testing ?
What is Integration testing ?
What is top – bottom approach ?
What is Bottom – Top approach ?
What is System Testing?
How system Testing is differed from UAT?
What is Data Driven Testing?
What is Test Scenario?
What is Test Case ?
What is Test Script ?
What is defect ?
What is Latent defect ?
What is Mutation testing?
What is Risk Analysis?
How we can eliminate risk?
What is Grey box Testing ?
What is Acceptance Testing ?
What is Non-Functional testing ?
What is Alpha Testing ?

What is Beta – Testing ?
What is the difference Between Alpha Testing and Beta testing?
What is Visual Testing?
What is Decision Testing?
What is Statement Testing ?
What is Branch Testing?
What is Control Flow Testing?
What is Data Flow Testing ?
What is Error Guessing?
What is State Transition ?
What is Decision Table ?
What is Boundary value ?
What is Cause – Effect ?
What is SDLC?
What is STLC?
What is Advantage of manual Testing ?
What are disadvantages of Manual testing ?
What is Code Redundancy?
What is Bug Leakage?

Q. You must have heard about POM.xml?

Project Object Model: an XML file that contains information about the project and configuration details used by Maven to build the project.

In the normal project, you will add JAR files and libraries as required. In Maven-based project, those JAR files, libraries are added to the project using this pom.xml. In the POM context we call those JAR files & libraries as 'dependencies'.

Some of the configuration that can be specified in the POM are the project dependencies, the plugins or goals that can be executed, the build profiles, and so on.

If there are enough entries in the pom.xml then that is all you need! Import it to Eclipse >> Maven will download your source code from CVS, download various dependency jars (like log4j, Apache Commons, json, etc.), run the tests, build the jar/war, deploy to your app server, generate a report, etc. Each task is mentioned as a goal.

The most popular use: when there is no Maven, it needs to add all the library JAR files one by one to the project. But when there is Pom.xml there is no need to add library JAR files one by one. Simply add the dependency to the Pom.xml, and it will automatically add the library JAR files to the project. In short the pom.xml will have all information to build your project.

Many people share interview experiences with me for sharing with other.

I have analysed (561) them and found:-

1. 92% interviews are on automation testing.
2. At least one programming question is asked in all interviews.
3. Min 2 programming questions were asked in 63% interviews.
4. String based programming questions are mostly asked.
5. Arrays based interview questions are second.
6. Data structures were asked in 30% interviews.
7. Testing related questions ratio is 2:10.

8. Selenium/API framework questions were in all interviews.
9. Sql and unix are common asked.
10. You are expected to know cloud based technologies.
11. Questions on API testing are asked in 47% interviews.
12. Questions on Jenkins, maven, Git in 86% interviews.
13. Selenium vs Java questions ratio is 3:10.

Hope it will help you to prepare well.

Series - 30 days of "Test Craftsmanship" 16/12/2020

Thought of the Day

Either We Invest

Below the NECK

or

Above the NECK

*Note : Added 2 additional Sections "Testing framework - Pytest & Reporting Framework - Allure"

Test Development

Q - *Explain "High Priority and Low severity" issue. Any Example* {Asked in Wipro}

A -

Any minor severity defects that could directly impact the user experience.

For example:

The logo of the company in the front-page is wrong, it is considered to be a High Priority and Low severity defect.

Example: In the bank logo, instead of ICICI, it is written as ICCCI.

Testing Framework

Q - *Difference Xfail vs Skip in pytest?* {Asked in RbrtBosh}

A -

Xfail

Test will be executed, but it will not be considered as part failed or passed tests.

Details of these tests will not be printed even if the test fails

Skip

test will not be executed at all

Reporting Framework

Q- How to Integrate Allure -Pytest

To install the latest version, execute from the command line:

pip install allure-pytest

Test Automation Development

Q - Why we use Driver as a reference variable?

A -

By creating a reference variable of type WebDriver we can use the same variable to work with multiple browsers like ChromeDriver, IE driver etc

Test Automation Framework Development

Q - *What are the steps followed to develop a framework from scratch *? {Asked in Infy}

A -

Step 1 : Analysis :

- 1.>> Analysis of different aspects (application architectural Pattern, application Techstack, integrated 3rd party applications) of the application under test
- 2.>> Business Feasibility analysis to identify repetitive tests with the help of Product SME & Manual test developers to ensure high ROI
- 3.>> Technical Feasibility analysis to identify the automatable tests
- 4.>> Framework (along with programming language and IDE) evaluation
- 5.>> Framework Selection (Hybrid, Data driven, Key word etc) with development approach (ATDD, TDD, BDD) & automation design pattern

Step 2 : Design :

- 1.>> Design the architectural layout of the framework. {Directory Structure}

Step 3 : Development :

- 1.>> Development of automation code with reusable components to avoid duplicity
- 2.>> Utility development

Step 4 : Integration :

- 1.>>Integration of test automation frameworks to DevOps tools for CI-CD, bug tracking tool & Cloud platforms to reduce test infrastructure complexity & associated cost

Step 5 : Maintenance :

- 1.>> Maintaining the automation code base & do required changes with respect to application under test change

Step 6 : Documentation

1. >> Detailed documentation for future reference

Step 7. Knowledge Transition

- 1.>> Providing KT to the project team with Demo.

Step 8. Warranty Support

- 1>> Support for agreed number of days to trouble shot any undesired failures

*TestOps

Q - What is Containers in Docker? {Asked in RbrtBosh}

A -

Container image is a lightweight, stand alone, executable package of a piece of software that includes everything needed to run it: code, runtime, system tool

Concept + Programming (Python)

Q - Difference between readline & readlines {Asked in Wipro}

A -

readline() : Return the next line of the file

readlines() : Read all the lines as a list of strings in the file

Coding (Python)

WAP to Remove Duplicate Character from String

```
s = 'ABBCCDD'
```

```
l = []  
for ch in s:  
    if ch not in l:  
        l.append(ch)
```

```
output = ''.join(l)  
print(output)  
*****
```

Agile

Q - *What Different types of burndown chart ?* {Asked in Harman}

A -

Product Burn Down Chart

Graph shows how many product backlog items implemented /not implemented

Sprint Burn Down Chart

Graph shows a list of sprints still pending, which scrum team have planned

Release burn down chart

Graph shows list of releases still pending, which scrum team have planned

Defect burn down chart

Graph how many defects identified & fixed

SQL

Q - SQL query to Fetch first 5 characters of String. {Asked in Wipro}

A -

SUBSTRING()

```
select substring (studentName, 1,5) as  
studentname FROM student
```

Project Based Question

Q - *Who all are there in your project team*? {Asked in VI}

A -

Total of 7

1 - Product owner

1 - Scrum Master

3 - Developers

2 - 1 Test Developer & 1 Test Automation Developer

Behavioural Interview

Q - *Whats your expectations from us?* {Asked in VI}

A -

Good environment to work

Allocation of assignment based on my technical skillset

Fair Compensation

Lastly safety of employees in this tough time.

[10/02, 12:54 am] +91 90825 25926: *Up skill with Multiskilling*

Be a multiplexer or Demultiplexer QA

Sam: What's up buddy!!!!

Nil: Nothing is going well!!

Sam: Not many calls

Nil: Same here

Sam: *But you know Automation. Then how come??*

Nil: Even I am not sure?

Sam: Let's call up jenny

Jenny: What's up guys??

Nil & Sam: How to get calls & good % of hike in Coved Times?

Jenny: Become a multiplexer or Demultiplexer QA

Nil & Sam: What the hack is that now??

Jenny: Tell me definition of Multiplexer & Demutlipexer

Sam: Multiperx : multiple-input, single-output switch

Nil: Demultipexer : single-input, multiple-output switch

Jenny: Cool

Sam & Nil: Plz explain :(

Jenny: Okay *Multiplexer* first

Learn the implementation of a tool that you like say Selenium

In Multiple language such as Java, Python, JavaScript

This will allow you apply for multiple companies without changing the tool of your choice

Multiple language, Single tool

Nil: I am comfortable with Java. I do not want to learn any other language right now.

Jenny : then become Demultiplexer QA

I mean learn implementation of Selenium, Appium & API using language of your choice

Single Language, Multiple tools

This will also allow you apply for mutiple companies

Nil: This sounds feasible to me

Sam: What should I do then ?

Jenny : I told you last time *RobotFramework*

Sam : Any other easy way ??

Jenny: (Stared for a minute) learn AUTOMATION using RPA with UiPATH

Sam: What's that ??

Jenny: Robotics process Automation

Sam : But its for process Automation, correct?

Jenny: We cam perform TEST Automation as well. And by the way its

DRAG & DROP automation with very minimal knowledge of VB script
Annd you can automate UI,API, Mobile, DB using UiPATH

Sam : How about demand and growth??

Jenny: It will boom soon so be ready :)

[10/02, 12:54 am] +91 90825 25926: TDD means that you write tests before you write the code, which is why you cannot retroactively apply TDD to an existing project.

The steps in TDD are:

1. Write a test that tests a specific part of the user story or feature you're developing.
2. Run the test. It should fail right now, because you haven't written any code yet. If your test doesn't fail your existing code already behaves correctly or more likely your test doesn't test anything.
3. Make the simplest possible change to your code that ensures the test succeeds. It's important that you do not make changes that go beyond your test, even if you know that you're going to change that later. This ensures that you do not introduce behavior that is untested because in TDD your tests are a major part of your documentation. It is also important that you do not touch anything that is unrelated to the test your trying to satisfy.
4. Run your test again. It should now succeed. But if it fails go back to 1. Make sure that your test is actually correct before you try to find the problem in your code.
5. When your test is satisfied refactor your code. Since in step 3 you did not touch anything unrelated to the test you may have introduced code smells. But because all of your existing code is now fully covered by tests (one of the reasons why TDD would be used in the first place) you can now safely reorganize it, and as long as your tests still succeed you're doing it right.

Interface WebDriver.Timeouts

All Known Implementing Classes:

RemoteWebDriver.RemoteWebDriverOptions.RemoteTimeouts

public static interface WebDriver.Timeouts

METHOD SUMMARY:

Modifier and Type - WebDriver.Timeouts

Method and Description - implicitlyWait(long time, java.util.concurrent.TimeUnit unit)

Specifies the amount of time the driver should wait when searching for an element if it is not immediately present.

Modifier and Type - WebDriver.Timeouts

Method and Description - pageLoadTimeout(long time, java.util.concurrent.TimeUnit unit)

Sets the amount of time to wait for a page load to complete before throwing an error.

Modifier and Type - WebDriver.Timeouts

Method and Description - setScriptTimeout(long time, java.util.concurrent.TimeUnit unit)

Sets the amount of time to wait for an asynchronous script to finish execution before throwing an error.

Interface WebDriver -

Below are the static interface of WebDriver Interface

Nested Class Summary:

WebDriver.ImeHandler

An interface for managing input methods.

WebDriver.Navigation

WebDriver.Options

An interface for managing stuff you would do in a browser menu

WebDriver.TargetLocator

Used to locate a given frame or window.

WebDriver.Timeouts

An interface for managing timeout behavior for WebDriver instances.

WebDriver.Window

Interface WebDriver.Options

public static interface WebDriver.Options

METHOD SUMMARY:

Modifier and Type - void

Method and Description - close()

Close the current window, quitting the browser if it's the last window currently open.

Modifier and Type - WebElement
Method and Description - findElement(By by)
Find the first WebElement using the given method.

Modifier and Type - java.util.List<WebElement>
Method and Description - findElements(By by)
Find all elements within the current page using the given mechanism.

Modifier and Type - void
Method and Description - get(java.lang.String url)
Load a new web page in the current browser window.

Modifier and Type - java.lang.String
Method and Description - getCurrentUrl()
Get a string representing the current URL that the browser is looking at.

Modifier and Type - java.lang.String
Method and Description - getPageSource()
Get the source of the last loaded page.

Modifier and Type - java.lang.String
Method and Description - getTitle()
The title of the current page.

Modifier and Type - java.lang.String
Method and Description - getWindowHandle()
Return an opaque handle to this window that uniquely identifies it within this driver instance.

Modifier and Type - java.util.Set<java.lang.String>
Method and Description - getWindowHandles()
Return a set of window handles which can be used to iterate over all open windows of this WebDriver instance by passing them to switchTo().WebDriver.Options.window()

Modifier and Type - WebDriver.Options
Method and Description - manage()
Gets the Option interface

Modifier and Type - WebDriver.Navigation
Method and Description - navigate()
An abstraction allowing the driver to access the browser's history and to navigate to a given URL.

Modifier and Type - void
Method and Description - quit()
Quits this driver, closing every associated window.

Modifier and Type - WebDriver.TargetLocator
Method and Description - switchTo()
Send future commands to a different frame or window.

Interface WebDriver.Navigation

public static interface WebDriver.Navigation

METHOD SUMMARY:

Interface WebDriver.Window

All Known Implementing Classes:

RemoteWebDriver.RemoteWebDriverOptions.RemoteWindow

```
public static interface WebDriver.Window
```

METHOD SUMMARY:

Modifier and Type - void

Method and Description - fullscreen()

Fullscreen the current window if it is not already fullscreen

Modifier and Type - Point

Method and Description - getPosition()

Get the position of the current window, relative to the upper left corner of the screen.

Modifier and Type - Dimension

Method and Description - getSize()

Get the size of the current window.

Modifier and Type - void

Method and Description - maximize()

Maximizes the current window if it is not already maximized

Modifier and Type - void

Method and Description - setPosition(Point targetPosition)

Set the position of the current window.

Modifier and Type - void

Method and Description - setSize(Dimension targetSize)

Set the size of the current window.

Interface TakesScreenshot

All Known Subinterfaces:

WebElement

```
public interface TakesScreenshot
```

Indicates a driver that can capture a screenshot and store it in different ways.

Example usage:

```
File screenshotFile = ((TakesScreenshot) driver).getScreenshotAs(OutputType.FILE);
```

```
String screenshotBase64 = ((TakesScreenshot) driver).getScreenshotAs(OutputType.BASE64);
```

METHOD SUMMARY:

Modifier and Type - <X> X

Method and Description - getScreenshotAs(OutputType<X> target)

Capture the screenshot and store it in the specified location.

[10/02, 12:58 am] +91 90825 25926: Interface WebElement

```
public interface WebElement extends SearchContext, TakesScreenshot
```

METHOD SUMMARY:

Modifier and Type - void

Method and Description - clear()

If this element is a text entry element, this will clear the value.

Modifier and Type - void

Method and Description - click()

Click this element.

Modifier and Type - WebElement

Method and Description - findElement(By by)

Find the first WebElement using the given method.

Modifier and Type - java.util.List<WebElement>

Method and Description - findElements(By by)

Find all elements within the current context using the given mechanism.

Modifier and Type - java.lang.String

Method and Description - getAttribute(java.lang.String name)

Get the value of the given attribute of the element.

Modifier and Type - java.lang.String

Method and Description - getCssValue(java.lang.String propertyName)

Get the value of a given CSS property.

Modifier and Type - Point

Method and Description - getLocation()

Where on the page is the top left-hand corner of the rendered element?

Modifier and Type - Dimension

Method and Description - getSize()

What is the width and height of the rendered element?

Modifier and Type - java.lang.String

Method and Description - getTagName()

Get the tag name of this element.

Modifier and Type - java.lang.String

Method and Description - getText()

Get the visible (i.e. not hidden by CSS) text of this element, including sub-elements.

Modifier and Type - boolean

Method and Description - isDisplayed()

Is this element displayed or not? This method avoids the problem of having to parse an element's "style" attribute.

Modifier and Type - boolean

Method and Description - isEnabled()

Is the element currently enabled or not? This will generally return true for everything but disabled input elements.

Modifier and Type - boolean

Method and Description - isSelected()

Determine whether or not this element is selected or not.

Modifier and Type - void

Method and Description - sendKeys(java.lang.CharSequence... keysToSend)

Use this method to simulate typing into an element, which may set its value.

Modifier and Type - void

Method and Description - submit()

If this current element is a form, or an element within a form, then this will be submitted to the remote server.

Class WebDriverException

java.lang.Object

java.lang.Throwable

java.lang.Exception

java.lang.RuntimeException

org.openqa.selenium.WebDriverException

public class WebDriverException extends java.lang.RuntimeException

Direct Known Subclasses:

ConnectionClosedException, ErrorHandler.UnknownServerException, ImeActivationFailedException, ImeNotAvailableException, InvalidArgumentException, InvalidCookieDomainException, InvalidCoordinatesException, InvalidElementStateException, JavascriptException, JsonException, MoveTargetOutOfBoundsException, NoSuchSessionException, NotFoundException, ScreenshotException, ScriptTimeoutException, SessionNotCreatedException, StaleElementReferenceException, TimeoutException, UnableToCreateProfileException, UnableToSetCookieException, UnexpectedTagNameException, UnhandledAlertException, UnreachableBrowserException, UnsupportedCommandException

METHOD SUMMARY:

Modifier and Type - void

Method and Description - addInfo(java.lang.String key, java.lang.String value)

Modifier and Type - java.lang.String

Method and Description - getAdditionalInformation()

Modifier and Type - BuildInfo

Method and Description - getBuildInformation()

Modifier and Type - static java.lang.String

Method and Description - getDriverName(java.lang.StackTraceElement[] stackTraceElements)

Modifier and Type - java.lang.String

Method and Description - getMessage()

Modifier and Type - java.lang.String

Method and Description - getSupportUrl()

Modifier and Type - java.lang.String

Method and Description - getSystemInformation()

[10/02, 12:58 am] +91 90825 25926: Interface SearchContext

All Known Subinterfaces:
WebDriver, WebElement

public interface SearchContext

Modifier and Type - WebElement
Method and Description - findElement(By by)
Find the first WebElement using the given method.

Modifier and Type - java.util.List<WebElement>
Method and Description - findElements(By by)
Find all elements within the current context using the given mechanism.
[10/02, 12:58 am] +91 90825 25926: Interface WebDriver.TargetLocator

All Known Implementing Classes:
RemoteWebDriver.RemoteTargetLocator

public static interface WebDriver.TargetLocator

METHOD SUMMARY:

Modifier and Type - WebElement
Method and Description - activeElement()
Switches to the element that currently has focus within the document currently "switched to", or the body element if this cannot be detected.

Modifier and Type - Alert
Method and Description - alert()
Switches to the currently active modal dialog for this particular driver instance.

Modifier and Type - WebDriver
Method and Description - defaultContent()
Selects either the first frame on the page, or the main document when a page contains iframes.

Modifier and Type - WebDriver
Method and Description - frame(int index)
Select a frame by its (zero-based) index.

Modifier and Type - WebDriver
Method and Description - frame(java.lang.String nameOrId)
Select a frame by its name or ID.

Modifier and Type - WebDriver
Method and Description - frame(WebElement frameElement)
Select a frame using its previously located WebElement.

Modifier and Type - WebDriver
Method and Description - parentFrame()
Change focus to the parent context.

Modifier and Type - WebDriver
Method and Description - window(java.lang.String nameOrHandle)
Switch the focus of future commands for this driver to the window with the given name/handle

