
Common test automation interview questions & topics one can expect for 5+ years experience

Java-Basic

1. Types of polymorphism
2. Difference between override and overload
3. Methods that cannot be overloaded
4. Static block and instance block
5. Difference in Static and non static
6. Encapsulation and common use cases
7. Abstract vs interfaces
8. Inheritance in java
9. Methods that cannot be overloaded
10. Type casting in java
11. String buffer and string builder
12. Why string is immutable in java
13. How to handle exceptions
14. Can I write try catch without the catch block
15. Difference between throws and throw
16. Use of iterator in java
17. Difference in Final, finally and finalize
18. Boxing and unboxing in java
19. Increment and decrement operation
20. Variable Args
21. This and super keyword in java
22. Issues during Switch case without break
23. Upcasting and downcasting
24. Baseclass of all class in java

25. Baseclass of error and exceptions
26. Access specifiers
27. Continue and break statement
28. Can main method return any value
29. Can we overload main method. What happens when overloaded
30. how to execute a statement before main method
31. Difference between == and equals()
32. Can user declare constructor as final
33. Can we cast any other type to Boolean data with type casting.
34. does java compile if user use 'static public void' instead of 'public static void'
35. can we use this() and super() in a constructor
36. Can we create object of abstract class
37. Can we **create reference** for an abstract **class**
38. Can we declare a class as static
39. What is **instanceOf** keyword
40. What's the **load factor of HashMap**
41. How to prevent a class from being subclass
42. Final variable, final method and final class
43. Ways to create a string variable.
44. What is gc() - **garbage collector**
45. Subclass and innerclass
46. Infinite loop in java
47. How to make copy of an element
48. Checked and unchecked exceptions

Java Collection

1. Classes **inside List interface, Set interface, Map Interface**
2. **Arraylist vs LinkedList**

3. ArrayList vs array
4. ArrayList vs vector or stack
5. Which class of List Interface to be used if user have more insertions and deletions
6. Which class of List Interface to be used if user have more retrieval
7. Set Interface: HashSet, TreeSet, SortedSet
8. Map - HashMap, Hashtable, TreeMap, LinkedHashMap.
9. Stack and Queue
10. How to maintain insertion order in Set, List and Map
11. How to sort elements in ascending order in Set and Map

Java Programs

1. String reverse
2. String Palindrome
3. String Anagram
4. Find occurrences of characters in a string
5. Find the count of Capital and Small letters in a string
6. Remove duplicate characters from string
7. Swap two numbers without temporary variable
8. Reverse number
9. factorial
10. Fibonacci
11. Count number, alphabet and special characters

Managerial round:

- 1) How you will be an asset to the team? Why you are looking for a change?

2) How soon you can join?

3) Suppose if we give manual testing for six months or one year what will you do?

4) How interested are you in learning new technologies? Failures in your work life..

5) As Lead, how do you define quality of product before releases? • Suppose you are the team QA and 1 new member join your team and at the same time you have a deadline to meet in next 2 or 3 days so how will you involve that new member in team so that you can utilise him/her to meet deadlines?

6) As a QA, where do you see yourself after 3 years?

7) What are your strengths and Weakness?

8) What are some best practices you learnt and how much

9) difference it made in testing career? Explain before and after

10) situations

After you have run a full regression test, and find new regression bugs, which bugs would you prioritize Bugs that suggest that functionality has regressed, or bugs that appear in new features?

Interview Questions :-

TCS: 30/01/22

1st round: Technical

- Explain your Project and overall experience
- Explain Automation testing Life cycle
- Explain Regression Testing
- Explain Defect leakage and defect release
- what is Fault means in testing
- what are the annotations in TestNG
- what is TestNG and explain its advantage and use in Automation
- how to handle switch frames in selenium
- how to handle windows popups, command for it
- how to refresh a page in selenium and its command
- what are Annotations in Jenkins
- What is POM
- what is the use of maven
- how do we use cucumber in selenium

I have 3.1 year of Experience in Automation and Manual Testing . In my carrier I have tested web Based Application As well as Client Server Application . In Manual Testing I have performed different testing like Smoke Testing,Functional Testing ,UI Testing and also Regression Testing. Performance Testing.I have written test Scenario,test cases, and formed Traceability Matrix Defect Logging and Involved in Client Interaction.

I have knowledge of Java, selenium, Rest assured.

API Testing with Postman Tool,JIRA Tool, Rally Tool etc.

Hello Ma'am/sir,

Rohit patil this.

One of my frnd has refer me your number.

Actually i am looking for Automation and Manual Testing opening for pune/mumbai location.

I have total 3.1 year of Experience in Manual Testing and Automation Testing .

So, is there any opening for the Same profile.

If HR said yes.. Then You can brief them in short...!!

I have Experience of Banking Domain and Telecom Domain.

I have knowledge of Rest Assured, Agile Methodology. Postman Tool. Selenium,Java, SQL,Unix and API Testing.

.....

Hr will ask following details..

Name of organization.. Tell what u have mentioned in CV

Notice period--

Tell immediate joiner.

Current Ctc...

Which u want to mentioned

4.5 or 4.8

Expected..

Tell as per company norms or hike of 30% on current ctc.

Y u want to chnge..

Tell working in same organization frm last 3+ yrs. Looking for financial and growth opportunities.

Also tell that you are serving notice period and you can join with in a week.

If hr ask do you have any offer in hand....??

You can tell yes one offer in hand it is in pipe line.

Or

You can say offer in han but it is contract to hire

OR

You can say offer in hand but it is for mumbai location and you want for pune location.

Xoriant Interview Question

1. Brief me about your self
2. Can you explain me your framework
3. What is parallel execution and how to do this in TestNG
4. What are different annotations in TestNG
5. What is data provider
6. How you will execute one testNG method for multiple time
7. What is Agile process
8. Which defect tracking tool you are using
9. What is burn down and burn up chart in JIRA
10. Write a XPath (They will ask you to write xpath on particular web element)
11. What is constructor in Java, types of constructor, difference between interface and abstract class, singleton class, POJO Class encapsulation, method over loading and overriding, collections, difference between linked list and Arraylist
12. What is Maven and different commands in Maven
13. How you will estimate test cases
14. How many test cases you are designing every day

Hi all,

Start preparing for your mock interviews:

what is JVM, JDK & JRE

what is java

What is class

What is Keyword or Identifier or Literal in java

what is variable

types of variables

difference between local and global variables

difference between static and non-static keyword

data type support by java

list out any 5 keywords in java

Class and source file name should be same?

What will be the .class file name if source file and class name is not same?

Can source file have more than one class?

If a source file have more than one class than how many .class file will be generated?

Can we compile a source file(with class) without main() ?

Can we execute a source file(with class) without main() ?

Can class have more than one main()?

Cognizant:-

1. Explain your current roll and responsibilities and overall experience?
2. How you have shifted in automation?
3. Do you develop automation test scripts??
4. Who will be executing your test cases?
5. How you report the failures and how you handle such failure in test automation?
6. What are the different causes of failure in test scripts?
7. Can you explain me your framework?
8. How you read data from Excel?
9. How you are executing your framework?
10. How can you execute your test scripts parallely.
11. Expalin parallel execution using testNG?
12. How you can pass parameters at suite level.
13. Can you explain me your current defect life cycle which you follows in current company?

14. Once you get an defect and you get it fixed and you performed retesting.. so what will be other things on which you will keep an eye of?
15. Have you automated APIs
16. What you actually do with POSTMAN? explain your work..

Cybage Interview Questions:

1. Brief me about your self
2. Explain your framework
3. on which domain you are currently working and explain me about your project, flow and modules present in your project
4. What are the hooks in Cucumber
5. What are the different tags in Cucumber
6. How you will execute runners in cucumber
7. What is selenium grid
8. Explain string, stringBuilder and StringBuffer classes
9. Can we execute steps of one scenario in other Scenario steps
10. What are the desired capability of a browser
11. What is thread concept in Java
12. What is collection in java explain it
13. What is synchronization in selenium
14. what is interface, abstract class, difference between abstract class and normal class, why we need interface
15. polymorphism and method overloading and over riding
16. explain method overloading and overriding with example
17. what is final, finally and finalize keywords
18. what is static, this and super keywords
19. what is constructor and types of constructor in java and why we use it
20. in which environment you would like to work and why
21. You are working in agile environment then explain me about your sprint cycle like when it starts and how you implement your work in sprint cycle

22. Do you know about latest version of Selenium
23. Can we write automation script for desktop applications in selenium
24. Which are the other tools you know instead of selenium for automation
25. What is hard assert and soft assert and when you will use soft assert
26. which are the versions you are using for java and selenium
27. Write a program for string reverse
28. Write a program to read excel file and different method to perform action on it
29. what is staleElementReferenceException and how to overcome this
30. Difference between pageFactory and pageObject
31. Difference between arraylist and linkedhashmap
32. What are the different test listeners in TestNG
33. Can we make constructor private
34. If I don't want to use thread.Sleep() then which wait you will prefer

Company name:- InnovationM Corporation pvt Ltd (Noida).

Technical Round Questions are following:-

- 1) Write a Query for common data from 2 tables?
- 2)What is intersection?
- 3)What is recursion methods??
- 4) Write the down the program for factorial??
- 5) Write down reverse string program with recursion??
- 6) What is Desired capabilities??
- 7) What is crome options & write code??
- 8) Tell me which selenium version you are used??
- 9) How much regression test cases you run your project by you???
- 10) What is duration of Sprint??
- 11) do you run regression test cases in each sprint?? If no/yes then Why??
- 12)What is dynamic binding meaning??
- 13) Can we override the main method??

- 14) What is collection's??
- 15) Classes in collections???
- 16) Types of Collections??
- 17) Difference between linked list & ArrayList??
- 18) Can we transverse the Map??
- 19) What is iterator??
- 20) What are the classes extends in webdriver??
- 21) What is webdriver?
- 22) What is Chrome driver??
- 23) How to drag & drop achieve??
- 24) What is Actions class??
- 25) how to get retrieve the CSS property??
- 26) Difference between TDD & BDD??
- 27) Different design techniques for testcases??
- 28) What I'm write is correct or Wrong
Webdriver driver= new RemoteWebDriver()
- 29) What is remote Driver??

Company Name:- MINDTREE

- 1) Tell me about your technical background & experience which company ???
- 2) Where you writes test cases??
- 3) Do you use any plug in for uploads the test cases in jira??
- 4) Why are you not use any plug in??
- 5) Which tools used for automation in your company ??
- 6) Do you have any experience in API automate testing ??
- 7) How much confident in java??
- 8) Rating yourself in selenium and java??
- 9) What is object oriented features in java??
- 10) What is abstraction??

11) What is abstract class??

12) can we create object in abstraction class??

13) Suppose, we have one abstract class in there combination of incomplete methods & complete methods then **where you do implements the incomplete method??**

14) In abstract class there is two incomplete methods m1 & m2 Which is extends another child class. In child class I need only implements m1 method then should get any any errors???

15) Suppose I'm not implements m1 the inComplete method then how we can overcome the error??

16) Without **implements the m2 method** how can we avoid errors??

17) What about **immutability nature of string???**

18) I pinged one program in chat box what is and

```
String s="Sachin"
```

```
String j=s.concat(" tendulkar")
```

```
Sop(j)
```

19) What is method overridig ??

20) Which type of example is method **overridig ?? Compile time or run time??**

21) Tell me what is output for following program.

```
String s= "sachin"
```

```
String s1= "sachin"
```

```
Sop(s==s1)
```

```
Sop(s.equals(s1))
```

22) String s2= new String ("sachin")

```
String s3 = new String ("sachin")
```

```
Sop(s2==s3)
```

```
Sop(s2.equals(s3))
```

Tell me ans of above pgm

23) Why s2==s3 is equals false??

24) why s==s1 is true??

25) Do you have any java tool installed in your PC??

26) What is need of constructor??

27) share your **screen & open your note pad & write the program for String to find out the duplicate character in a string??**

28) Explain the logic??

- 29) What is difference between list & set??
- 30) what is difference between HashTable & HashMap
- 31) What is Webdriver driver= new Chormedriver()??
- 32) What is Webdriver & ChromeDriver
- 33) What is driver
- 34) How you create object of Webdriver it is interfaces.
- 35) How can we scroll down??
- 36) How can we achieve scroll down by using javascript??
- 37) What is written type of getwindowhandles??
- 38) If I want print all the count of frames in the page how can we achieve achieve ??
- 39) Do you have any questions??
- 40) Multiple links is there how to print ??
- 41) Suppose I have 10 links like link1, link2,...link10 there & I need to find 5th number link then how can you Identify??
- 42) There are page in which includes Fruit name & values both are dynamics just tell me how to print value.
- 43) Find the Xpath for above dynamic elements it should be generic...

TechM:

1. Can you brief me about your total work experience and relevant experience in automation?
2. What are the roles of scrum master in agile?
3. Difference between an Epic and Story and task?
4. Have you used Maven and TestNG.
5. What is the advantages of using maven tool.
6. what is testNG.
7. What are the different TestNG annotations? Explain their hierarchy?
8. What is dataprovider in TestNG? Explain?
9. If your data is residing in Excel file. Then how you can read the data from Excel?
10. How you will handle drop-down list?

11. Methods of select class to select various methods of select class.
12. Is there any other way to open url without driver.get(url);
13. Difference between .get() and .navigateTo();
14. WindowHandle() and WindowHandles();
Difference between these two.
15. How to switch driver on newly open window..
16. Return type of getWindowHandle() and getWindowHandles();
17. Do you know Collection..explain.
18. Difference between List and Set.
19. Order of insertion is maintained in List or Set?
20. How much you will rate yourself in Java?
21. Difference between Method overloading and overriding??
22. Can we overload and override constructor??
23. In parent child relation ship one method in parent and if we don't want that method to be overridden in base class how will you keep restriction on the method?
24. What is difference between abstract method and final method?
25. Write down a program for reverse of String?
26. Have you worked on API testing?
27. What is difference between GET and POST methods..in POSTMAN.

Company Name:- Ernest & Young Global Limited.

Questions:-

- 1) Brief your self??
- 2) How much Automation Experience you have??
- 3) Which tool used for webapplication ??
- 4) How you experience on API testing??
- 5) Have you good knowledge of java??
- 6) Explain OOPS concepts??
- 7) Why you switch on automation testing? Why are you not working on manual testing??
- 8) Do you heard about Cross browser testing & what is it??

- 9) What types of locators in selenium??
- 10) Open your notepad & write xpath for all locators which is used in your project??
- 11) Write code for initialise the webdriver browser??
- 12) What is difference between findelement & findelements??
- 13) Tell me List of Exceptions??
- 14) List of annotations in testNG??
- 15) What is approach, when you need a buy shirts from Amazon website. So write a code for particular that??
- 16) Have you worked on gits?? What are you doing on gits??
- 17) Do you have knowledge of SQL ?? rating of 10..
- 18) Which domain currently you working??
- 19) Have you serving notice period??
- 20) LWd??
- 21) Which location you want to join??

Zensar 16/3/2022

1. Tell me about yourself?
2. How much self-rating gives you for java out of 10? (Ans-7.5 to 8).
3. Tell me what is OPP's concept?
4. What is difference between abstract and interface?
5. Can we execute our program without using main method?
6. How to write static block steps for execution? (not aware)
7. Can we overload constructor and how?
8. Why we use interface? (After this question he will move on exception handling).
9. What is Exception and how handle it?
10. What is use of final, finally, finalize?
11. Can we write multiple try catch block?
12. What is use of finally block?
13. Which error and exception comes?

14. Can you explain why IndexOutOfBoundsException occurs?
15. What is the difference between while and do while loop? (After this question he will move collection).
16. What is collection and why we use?
17. What is the difference between HashSet and HashMap?
18. How to implement HashSet?
19. Difference between List, Set, Map?

##Selenium

20. What is the different type locator used in selenium?
21. Which one you used most?
22. Suppose one webpage is there and in that 10 buttons but at that find of path using css and xpath not getting unique what is your approach?
23. In css and xpath which one is faster?
24. Why xpath is slower than css?
25. What is Synchronization in Selenium?
26. What is waits in selenium and types?
27. What is an Actions class method?
28. What is the difference between Absolute and Relative xpath?
29. Why we use most Relative only?
30. Explain your framework? (4-5 min).
31. What is testNG annotation?
32. In @BeforeClass and @BeforeMethod which one executes first?
33. What is dependency in testNG?
34. What is the difference ceremony in Agile?
35. How do you execute your test cases in Automation?
36. What is Functional testing?
37. What is Smoke testing?
38. Done from my side have you any doubt you can ask?

Company name:- Publicis sapient bangalore

Questions:-

- 1) Tell me about yourself and what are the responsibility in your projects??
- 2) How much experience have in automation testing??
- 3) Have you worked on API automation testing??? How you worked on API testing??
- 4) Tell me your project??
- 5) What is investment banking??
- 6) What is daily routine in your office?
- 7) How much regression test cases run on automation??
- 8) What is Automation testing planning?? How it creates???
- 9) How to decide test scripts for automation??
- 10) Have you knowledge of java rate yourself out of 5??
- 11) What is difference between method overloading & method overriding??
- 12) Can we overload main method??
- 13) Can we override main method?? Why??
- 14) What are the write in chat window is it method overloading or method overriding??

```
Class Abc {  
    Public static void main (String [] args){  
        Int abc (int a, int b){}  
        Float abc (float a, int b){}  
    }  
}
```

- 14) Do you have knowledge of String Manipulation & String inbuilt methods??
- 15) Have any eclipse java tool install in your laptop??
- 16) Open online java compiler on chrome browser??
- 17) Suppose my string s= "My name is Vinayak"
So write the program for to find duplicate character in string with its occurrence times
- 18) Write a program for to find second max number from the array using 1 for loop..
Int arr[] = {10,12,17,25,36}
- 19) Search Flipkart on web browser open it then click on More then find to x path for "sell on More"...
- 20) Do you have any questions...???

Company name:- *Cognizant*

Questions:-

- 1) Tell me about your self , Experience & education??
- 2) Is there holiday or work there on your organization...??
- 3) Is there first company or 2nd??
- 4) Why you switched on automation??
- 5) Which project you worked currently??
- 6) Explain your project architecture??
- 7) Do you have knowledge of java rate yourself out of 10?
- 8) Do you have knowledge of Selenium webdriver cucumber rate yourself out of 10?
- 9) Tell me the concept of Collections??
- 10) When to use map & when to use list??
- 11) Where you used List set & map in your project?
- 12) In your project some exceptions are occurred or not??
- 13) What is exception & tell some type??
- 14) Suppose no elements found in Dom then which type of exception is there??
- 15) Suppose Elements present in Dom but at run time not found then which exception is there??
- 16) Have you knowledge of Sql DB?? What queries & which case you used it??
- 17) Some time we need to go back in db & validate data to fetch it for some cases. In your current project some cases happened or not??
- 18) Have you knowledge of Automation API testing?
- 19) Which tool used for Api testing??
- 20) What are the responsibility in your project??
- 21) What is the size of projects??
- 22) What is the size of your teams??
- 23) Explain how actually work happened in your project??
- 24) Explain the release cycle??
- 25) Duration of sprint??
- 26) Explain start to end process upto delivery of sprint.? Who will be assign to user stories to you??

- 27) How to developer works which tool they have used it??
- 28) What is the Jenkins & CI CD
- 29) in some time productions team required support then how to provide you??
- 30) When developer doing coding then times what are you doing??
- 31) Currently in your project manual tester and Automation testing works are parallel or different??
How work together??
- 32) When you run the regression test cases??
- 33) What is hybrid module??
- 34) Where you send repository codes??
- 35) who send the code to the Onsite person??
- 36) Are you working on UAT or system testing??
- 37) Do you have a knowledge of testNG??
- 38) Suppose we selected to you & given direct operation on automation API testing??
What will you do??
- 39) Which locations you preferred for joining?? Why??
- 40) Any questions you have??

Company Name:- Tech Mahindra Pune,

Technical 1st Round

Date:- 20/03/2022

Questions:-

- 1) Introduce to Yourself?
- 2) What is Webdriver??
- 3) what are the different types of locators??
- 4) Difference between Implicit wait & Explicit wait??
- 5) What are the action class??
- 6) What is difference between build & perform??
- 7) Different types of Exception??
- 8) When you get NoSuchElementException??
- 9) How to overcome it this Exception??

- 10) What is StaleElementReferenceException??
- 11) What is difference between Page Factory & page object??
- 12) What is Page object model??
- 13) What is javascript executor??
- 14) How can Handle Alerts pop-up??
- 15) How can Handle Authentication pop up??
- 16) What are the different annotations in testNG??
- 17) What is use of Innovation Count??
- 18) What are the limitations of Selenium??
- 19) What is asserts??
- 20) What is the Listeners??
- 21) Explain about OOPs concepts??
- 22) Can we create Constructor in Interface??
- 23) What is difference between String Builder & String Buffer??
- 24) What is the use of final Keywords??
- 25) What is difference between Static & Heap Memory??
- 26) from the int array find 2nd maximum number
int a[] = {25,10,17,44,12}

java 4/5

collection

hashmap vs hashset

list vs set

Array vs ArrayList

ArrayList vs linkedlist

oops

Inheritance

type of inheritance

abstract class vs interface

=====selenium=====

findElement vs findElements

getWindowHandler vs getWindowHandlers

close vs Quit

=====string program=====

1) Reverse String

```
String str="Acceleration";
```

```
String rev="";
```

```
for(int i=str.length-1;i>=0;i--){
```

```
    rev=rev+str.charAt(i);
```

```
}
```

```
System.out.println(rev);
```

2) Java program to count occurrence of each character in a string using HashMap

```
String str="Acceleration";
```

```
char[] data = str.toCharArray();
```

```
HashMap<Character,Integer> countOfChar =new HashMap<Character,Integer>();
```

```

//output
/*
 * A =1 c=2 e=2 r=1 a=1 t=1 i=1 o=1 n=1
 */
for(char d:data) {
    if(countOfChar.containsKey(d)) {
        countOfChar.put(d, countOfChar.get(d)+1);
    }
    else
    {
        countOfChar.put(d, 1);
    }
}

System.out.println(countOfChar);

```

3)palindrome number

eg:-141

4) palindrome String

madam

nitin

5) remove duplicate numbers from array

6) == and equals

```
String str="madam";
```

```
String str2="madam";  
String str1= new String("madam");  
String str3=new String("madam");  
  
str==str3;  
String str="madam";  
    String str2="madam";  
    String str1= new String("madam");  
    String str3=new String("madam");  
  
    System.out.println(str==str2);//true  
    System.out.println(str==str3);//false  
    System.out.println(str.equals(str3));//true  
    System.out.println(str1.equals(str3));//true
```

```
syso("hi");  
try{  
int a=10/0;  
}  
catch(Exception ex){  
  
}  
catch(Arithmetic e){  
  
}  
syso("hello");
```

```
//solution
```

```
try{
```

```
        int a=10/0;
    }
    catch(ArithmeticException e){

    }
    catch (NullPointerException nt) {
        // TODO: handle exception
    }
    catch(Exception ex){

    }
```