# Java:

* Which java version of are you using?
* Have you worked on collections?
* Difference between List and array
* Difference between list and set
* Difference between array and arraylist
* Difference between interface and abstraction
* Difference between abstraction and encapsulation
* Difference between hashmap and list
* Difference between hashmap and hastable
* Difference between list and arraylist
* What is array?
* Difference between final, finally, finalize
* Where did you use final?
* Where did you use finally?
* What is gc? Why and how did you use gc()?
* Any gc technique?
* Difference between inheritance and interface
* What is constructor? Why?
* Can we pass parameter in constructor?
* What if we pass parameter in constructor and don’t pass anything in object?
* Can we overload or override a constructor?
* Difference between overloading and overriding
* What all coding standards have you followed?
* What is recursion?
* What is runtime polymorphism?
* Difference between runtime and compile time polymorphism
* Can you override / overload static method?
* What is static keyword?
* What is final keyword?
* Can you override final method?
* What is abstract keyword?
* Can you have final variable unassigned?
* Where all can you assign values to final variable?
* What all methods can abstract class can have? Only abstract or other methods are allowed?
* Give example for encapsulation. How did you use encapsulation?
* What is regrex?
* Write code to count char’s appearance in string using hashmap
* Write code to reverse a string
* Write code for some number pattern
* Write code for Fibonacci series and first 10 numbers of Fibonacci series
* Write code for interchanging values of two integers without using third variable
* Write code to remove spaces
* Write code to replace some chars with other chars in string
* Is multiple inheritance possible using class? Why? How?
* Write code to find maximum number from array
* Write code to find repetitive numbers in array
* What is this keyword?
* Can you overload an overriding method?
* Write code to verify valid IP addresses
* What is multithreading? How did you use multithreading?
* What is runnable?

# Selenium:

* Have you created any Framework?
* Explain your framework.
* Difference between data driven and keyword driven framework.
* Difference between keywork driven and page object.
* Difference between page objects and page factory. What would you prefer? Why?
* Which version are you using?
* How were you managing your test?
* What are major challenges you faced while creating framework?
* What are factors to be considered while creating framework?
* What are key components of any framework as per you?
* Write code to handle dropdown.
* Write code to handle table.
* Write code to handle keyboard actions.
* Write code to handle mouse actions.
* What’s context click?
* Write code to open google page and send keys to search button and navigate to all links, open links and capture title of new window and scroll to the end of page to get all the links.
* Write code to handle popup/alerts.
* How to handle windows-based popups or actions?
* Write code for implicit, explicit waits.
* What is implicit/explicit/fluent wait?
* What is relative/absolute xpaths? Which one is better?
* Write various xpaths or CSS path as per elements given.
* What are various possible ways to write xpaths.
* What is WebDriver?
* What are exceptions have encountered?
* What is staleElementException?
* Which error will be thrown if findElement does not find any Element?
* Difference between Assert and Verify?
* How were you performing validations?
* How were you generating report and logic behind it?
* Write code to extract data from excel file.
* Write code to extract data from database and establish connection.
* What are different ways to upload file?
* What are different ways to interact with window-based actions?
* What is desired capability?
* What are all different element handler techniques?
* What is Action class?
* What all third-party tools/plugins have you used with selenium?
* How will you handle a popup which is web-based but alert is not working?

# TestNG:

* Name different annotations.
* Difference between beforeTest and afterTest
* Difference between beforeTest and beforeMethod
* Difference between before/after and beforeTest/afterTest
* What are difference ways to parameterize tests in testNG
* How to group tests? Other than using group tag
* Describe order of testing tags in which it will execute.
* How do you perform parallel testing? Other than parallel tag?
* What all values goes in parallel tag?
* Have you used Junit?
* What is dependsOnMethod? Why?
* What is TestNG.xml?
* How will you skip tests? Or disable tests?

# SQL:

* What all things needs to be considered when performing database testing?
* Write query to extract all values from table T1 which are not present in Table T2.
* Write query to perform join operation.
* Write query to retrieve max number from column.
* Write query to count records.
* Fetch last updated record.
* Check if the format of all values of certain name column is correct or not. Write regrex for that.
* What is null and blank in DB.
* Can a table exist without primary key?
* Difference between primary key and foreign key.
* Have you ever contributed in creating DB/table?
* Have you performed any configuration tasks?
* Have you ever changed any values in DB?
* What all DBs you have worked on?

# GIT:

* What do you know about GIT?
* How do you manage your Code versions?
* How to resolve conflicts?
* Were you involved in configuring GIT?
* How were you operating GIT commands? From cmd prmpt?
* What will you do if you have checked in wrong code in main repository and it is go live day?

# Jenkins:

* Have you worked in Jenkins?
* Can you add your repository in Jenkins?
* Can you add any third-party tool in Jenkins?
* What is Jenkins?
* Can you link email accounts in Jenkins? How?
* Have you configured any jobs in Jenkins? Were you involved in configuring Jenkins?
* How will you expedite your scripting?

*Ans- write scripts in day time and run through Jenkins in night time*

# Managerial Questions/HR/Other:

* How will you rate yourself in selenium/java?
* Have you used any automation tools other than Selenium?
* Tell me about your professional experience.
* Total professional experience and automation experience?
* Why this company?
* Why are you looking for switch?
* Do you have any offer in hand? If so, why are you still looking for other jobs?
* What were your role and responsibility in your last project?
* Is there any issue you had for which you worked day and night?
* What all the challenges/issues you faced in your Team? If so, how did you resolve it?
* What will you do if you are assigned manual testing?
* What will you do if you are assigned task that is not your responsibility?
* What it takes to be a team player?
* Tell me your 2 positive and 2 negative things.
* What you do in your free time?
* What have you learned new in past 6 months?
* What motivates you to work?
* What do you like in your job?
* Why did you choose so-so branch in B.E. and why that college?
* What is your short term and long-term plans/goals?
* What are your plans for marriage?
* What pkg are you expecting? Why so much?
* Are you not getting enough opportunities to learn new technologies in your current company?
* What were your client interaction in last project?
* How much time it used to take to make deliverables?
* How were you planning your work? Have were you prioritizing your tasks?
* How were you managing project task? Manually or in some tool?
* Have you worked in defect fixing?

# Maven:

* Do you know how to create a Maven Project?
* What is Artifact id?
* What is the purpose of Maven project?
* Which version are you using?
* What pom.xml consists of?
* What is dependency?
* Which plugin were you using?
* What will you do if a jar not found error is displaying in pom.xml even though all the setup and versions and paths are correct?

*Ans- Store that jar file in local somewhere or in repository and Use <Scope> in pom.xml and define system path or repository path for that jar.*

# API:

* What is API Testing?
* What are different types of API?
* What is difference between PUT call and POST call?

# Mobile Testing:

* What do you know about mobile automation Testing?

# BDD/ Cucumber:

* Write a gerkin scenario to log in to gmail.
* What is scenario outline?
* What are different tags used in feature file?
* What is a feature?
* What is extension of feature file?
* What is Background keyword used for?
* What is BDD approach? Why?
* How will you group tests in BDD?

# Manual Testing:

* What are scenarios to perform load testing on ball pen?
* How do you estimate effort?
* What is severity and priority?
* What is defect life cycle?
* What is V model?
* What is Agile Methodology? Have you worked in agile project?
* What is STLC?
* What will you do if your defect is rejected?
* Explain agile.