**1. Diff bw int and integer**

'int' type is a primitive, whereas the 'Integer' type is an object.

**2. relative xpath and absolute xpath**

**Absolute Xpath**: It uses Complete path from the Root Element to the desire element.

**Relative Xpath**: You can simply start by referencing the element you want and go from there.

Always Relative Xpaths are preferred as they are not the complete paths from the Root element. (//html//body) ..Beacuse in future any of the webelement when added/Removed then Absolute Xpath changes. So Always use Relative Xpaths in your Automation.

**3. how to handle id's that are changing dynamically? By using below options,**

‘contains’ is a java method which checks if id contains the substring username.  
starts-with() checks if any attribute starts with “user”.

**4. print 1 to 100 prime numbers**

public int primes(int x, int i)

{

if(i==1)

return 1;

if(x%i==0)

return 0;

else

return primes(x, i-1);

}

**5. Overloading and overriding**

First and major difference between Overloading and Overriding is that former occur during [compile time](http://javarevisited.blogspot.com/2012/03/what-is-static-and-dynamic-binding-in.html) while later occur during runtime.  
  
Second [difference between Overloading and Overriding](http://javarevisited.blogspot.sg/2011/12/method-overloading-vs-method-overriding.html) is that, you can overload method in same class but you can only override method in sub class.  
  
Third difference is that you [can overload static method in Java](http://java67.blogspot.sg/2012/08/can-we-overload-static-method-in-java.html) but you [cannot override static method in Java](http://java67.blogspot.sg/2012/08/can-we-override-static-method-in-java.html). In fact when you declare same method in Sub Class it's known as method hiding because it hide super class method instead of overriding it.  
  
Overloaded methods are bonded using [static binding](http://javarevisited.blogspot.com/2012/03/what-is-static-and-dynamic-binding-in.html) and Type of reference variable is used, while Overridden method are bonded using [dynamic bondin](http://javarevisited.blogspot.com/2012/03/what-is-static-and-dynamic-binding-in.html)g based upon actual Object.  
  
[Rules of Overloading and Overriding](http://java67.blogspot.sg/2012/09/what-is-rules-of-overloading-and-overriding-in-java.html) is different in Java. In order to overload a method you need to change its method signature but that is not required for overriding any method in Java.  
  
Another difference between method overloading and overriding is that private and final method can not be overridden but can be overloaded in Java.  
  
Overloaded method are fast as compare to Overridden method in Java.

**6. Interface and abstract class**

An interface differs from an abstract class because an interface is ***not*** a class. An interface is essentially a **type** that can be satisfied by any class that implements the interface.

Any class that implements an interface must satisfy 2 conditions:

* It must have the phrase "implements *Interface\_Name*" at the beginning of the class definiton.
* It must implement all of the method headings listed in the interface definition

**7. diff bw string and stringbuffer?**

String is used to manipulate character strings that cannot be changed (read-only and immutable).

StringBuffer is used to represent characters that can be modified.

**8. Check all checkboxes in a page**

List<webElement> chkBox = driver.findElements(By.xpath(“//htmltag[@attbute='checkbox']”)); for(int i=0;   
i<=chkBox.size(); i++){ chkBox.get(i).click(); }  
List<webElement> chkBox = driver.findElements(By.xpath(“//htmltag[@attbute='checkbox']”));  
for(int i=0; i<=chkBox.size(); i++){   
chkBox.get(i).click(); }

9. Abt stack and queue

 Stack is defined as a list of element in which we can insert or delete elements only at the top of the stack.

 The behaviour of a stack is like a Last-In First-Out(LIFO) system.

* Queue is a collection of the same type of element. It is a linear list in which insertions can take place at one end of the list,called ***rear*** of the list, and deletions can take place only at other end, called the ***front*** of the list
* The behaviour of a queue is like a First-In-First-Out (FIFO) system.

10. diff bw List<?> and List<object>

11. diff bw get and navigate

12. Diff bw StringBuilder and String

13. Type casting Integer to string and String to Integer

---------------------------------------------------------------------------------------------------------------------

code for getting elements from a grid(in this scenario it was Webtable)?

List<WebTable> webtable = d

what is regression and retesting?

Scrum how was it working in your company?

what is sprint meeting? what happens in it?

xpaths how many ways do you identify?

if element is not identified by any locators(all they mean) how do you identify?(i told sikuli)

how do you iterate elements? ( his expectation was with iterator)

How to iterate with for loop?

what is the difference between window handle and window Handles?

what is bug life cycle?

Junit and TestNG annotations

what are the major differences in Junit and TestNG frameworks?

13) what is the order of execution of annotations in Junit?

14) which type of code is written is which type of @ Annotations block in Junit?

15) Java encapsulation?

16) Java access specifiers?

17) Wrapper classes(then he explained data types)

18) what type of methods or code declared in Before class in Junit?

19) how do you skip running tests in Junit and TestNG?(Junit @Ignore='DO NOT RUN')something  
 (TestNG @enabled=false)

20) how to do you give timeout to a tests in Junit? to see or run it after   
 specific time Ans is (@Test(Timeout=1000))

21) How do you set in Junit code that run a specific tests in this specific browser

22) How to do you run your tests from Main method? (ans is Junitrunner something)

23) Overloading and overriding? with code snippets

24) What is Assert in Junit why do we use it?

25) What is Assert Equals to in Junit how does it takes the parameters and what data types accepted?

26) how can you show dependency of one test method on another in TestNG?  
 (ans is @Test (dependency= {'methodname'}) some this pls refer)

27) how do you do groupings in TestNG and why?

28) what is arrays and lists?collections in java?asked to write sample array and how to iterate it

29) what are action listeners? what are they?

30) how do you retrieve data from .csv file(i told him the answer as Xls\_Reader   
 with POI jars) he said can you brief it?( i said i did not get that scenarios)

31) how do you run tests in Junit serially without ant or external sources?

32) what is suite class in Junit and what does it it do in Junit?

33) why and how did you use Maven ?how do you add specific version numbers of any  
 jars in Maven?(ans is Dependency tag)

35) do you have Github link in personal.?what purpose you used github?

36) what is Jira tool what does it do?

37) what is Test plan what is there in test plan?

38) how do you decide the test planning and distribute work for your team members?  
 (ans i told its based on client requirement we either go for sprint model or project model  
 and then split work accordingly to the team based on skill set)

39) what is multithreading can it be used in Junit and TestNG how different are they?

40) Other questions where general regarding projects, education and reason for company changes

41) how do you run private methods? (manager said ans is we cannot run them)

------------------------------------------------------------------------------------------------------------------------

1. How to launch App

2. How many types of integer data types

3. What are the configurations you do while writing selendroid code

4. Did you use any emulators

5. Interface and Class

6. adb pull and push (Android Debug Bridge)

7. Abstract Class

8. Web tables

9. How will you get the elements of a drop down in list

10. Handling Alert boxes

11. How will you get Capabilities and App id

12. What is recursion

13. What are the repositories you used and how you run git project from Jenkins

14. Why Maven? Only for getting dependencies?

15. Did you automate web Apps

16. how will you identify elements of App

17. Where will you run adb commands

18. ADB and Apk abbreviations

19. A class can extends only single class and can implements multiple interfaces

20.Instrumentation in mobile automation

21.Garbage collector

22.concrete class

23.keyword driver framework

24.hybrid framework

25.Difference b/w Hashset, Hashmap, Hashtable

26.Pinch in mobile app (means zoom in/out)

27.difference between thread.sleep and driver.setwait();

-------------------------------------------------------------------------------------------------------------

1.Write the sorted order of following locators based on their preference ID,CSS,Xpath

2. write the selenium code for following javascript code

document.getContentValue(By.tagName("img"));

3. write the code for drag and drop of below 2 elements

WebElement with Id 'ElementID1'

WebElement with Id 'ElementID2'

4. Write the java code for Sorting of numbers.

5. Write any Four exceptions thrown by selenium.

6. Write the command for implicit wait of 30 seconds.

7. Selenium grid concepts.

8. Remote WebDriver and capabilities class.

9. How to initialize chrome and IE browsers?(consider they are located at C:\Drivers)

10. Retrieving value from a file which is located in c:\selenium\properties file

The value is stored in <key>=<value> form.

username ="abc"

password = "def"

11.Write the 5 different xpath approaches for following code

<html>

<body id="sample">

<div id="sampleid" class="sampleclass" >

<\body>

<\html>

------------------------------------------------------------------------------------------------------------------------

1. What are the String functions that you are well with?

2. String s1 = "ram";

String s2 = "ram";

Is there any difference between s1.equals(s2) and s1==s2. If so explain it?

3. What are the wrapper classes in java? what are the uses of them?

4. Do you have any idea of multi threading concept. If so Explain a small scenario

which you dealt with?

5. Collection framework? which are synchronised and which are not synchronised among them?

6. Interfaces? Can we write methods in interfaces?

7. Is there any difference between Abstract class and interface? Explain?

8. Can we edit strings in java?

9. can you tell me dynamic method dispatch?

10. can you differentiate compile time and run time polymorphism

11. Access Specifiers?(the interviewer asked the question like this) I just want to

access a class which is in other than my current package...can i access? if so,

What should be the possible access specifiers of that class?

--------------------------------------------------------------------------------------------------------------------------------------------

1. Sanity testing?

2. what you people will do after getting the build?

3. Bug life cycle?

4. How many bugs you have raised as part of your work?

5. Tell me about the project you involved? and how you prepare scripts? or structure or your project

-------------------------------------------------------------------------------------------------------------------------------------------

1. ASOP Android Testing
2. experience on web services
3. soap vs rest
4. what is boundary value analysis testing
5. what is continuous integration tool ..explain tools
6. svn tool
7. What is SQL...explain about Joins..( like Inner Join and After Join )
8. Difference between

cd ~/a/b

cd a/b

cd /a/b

1. How to remove elements from set. Small task to write

java.util.Set numbers;

For example, set has values {-1, 20, 3, 0, -2, -5, 7}

write a code snippet to remove all negative numbers

-----------------------------------------------------------------------------------------------------------------------------------------

1. advantages of keyword driven framework
2. testing web services
3. mobile automation testing
4. About selenium webdriver
5. selenium locators
6. collections in java
7. database
8. version control
9. explain abt github
10. continuous integration tool (jenkins)
11. adb pull
12. adb push
13. diff between boolean and Boolean
14. ques abt xpath

----------------------------------------------------------------------------------------------------------------------------------------------------------

Two more company questions?

-------------------------------------------

1. what are 3 core values in Agile
2. given equilateral triangle how many scenarios and conditions can be derived
3. Data base question: how to count no of employees in a emp table having salary greater than

5000

1. above question write without using where clause?
2. what are the contents of Test Plan and how do you set priority and severity in test Plan
3. what is Webdriver?
4. how to do you initialize browsers using web driver and try opening url?
5. write java program to swap two numbers without using third variable?
6. how to do you do different browsers initializations from java code not in json file or command
7. prompt?
8. what are different locators ?
9. what is Xpath? what are the plugins you use to get the xpath? how differently you can write
10. Based on what scenarios you distribute work to your team members?
11. SQL: Query to count no of rows in a table?
12. Framework design do you know what design you are good at? what type of other designs u atleast involved in working along with Team?
13. How do you identify elements in IE without taking help of chrome or firefox or IDE
14. what are the roles in Agile scrum?
15. what type of test cases generally selected for regression suites?
16. what is the architecture of the cloud application you used?
17. what is bug life cycle? and how do you do retesting and regression?
18. how do you define scope of testing in test plan?
19. what contents are there while writing a test case?

--------------------------------------------------------------------------------------------------------------------------------------------

1. Grid initilization

2. Selenium locators

3. drag and drop

4. how you will obtain synchronization in selenium

5. armstrong number

6. sort array

7. maximum number in array

8. spliting string into arrays based on common characters say (=, $) in string

9. factorial of a number

10. data dictionary

--------------------------------------------------------------------------------------------------------------------------------------------

1. Database connections order
2. Framework (Data driven vs Keyword driven)
3. TDD and BDD
4. Palindrome program
5. oops concepts
6. How you will test scenario online notepad editor
7. How you will test scenario Meeting scheduler
8. how do you declare static variables globally?
9. when do you cal set.gc() method?
10. when C extends b, B entends A and all classes use test() method how do you call method of A in C class?
11. what do you use out of list, set, map, collections for serial order?
12. what do you use for unique identifying of elements without duplicates?
13. interfaces qualities?
14. what is the keyword used for one thread not accessing another?
15. what is @overrides used for in java?

------------------------------------------------------------------------------------------------------------------------------------------------------

1. what are the key qualities QA should have? what qualities you have and what you don’t have?
2. What is requirement traceability matrix?
3. what is bug life cycle structure and its each phases relation to SDLC
4. what do you do when you find a bug?
5. write test cases for a scenario based where you can enter last name, first name and ssn as inputs to search in search dialog with option to find the patient details?
6. what bugs did you find in google.com?
7. what is DML and DDL give an example for each?
8. Query to retrieve list of employees names and their manager names using joins?
9. query to retrieve duplicates names in the employee table?
10. what could be the requirements for calculating blood pressure using BP equipment?
11. what is test case, test run and test plan?
12. what are smoke tests? how is it useful?
13. what bug tracking tools you used what are the advantages of those tools?
14. what are functional and nonfunctional requirements?

--------------------------------------------------------------------------------------------------------------------------------------------

1. what is polymorphism?
2. whether multiple inheritance is allowed in java?
3. what is final keyword, can we inherit a class having final keyword?
4. what type of access specifiers are there? explain each of them?
5. how do you handle multiple windows? logic behind it?
6. what is alert and pop up window?
7. what is Grid and how do you handle multiple IE versions with GRID?
8. what is smoke tests?
9. what is retesting and regression?
10. what is join and how many types of joins are there?
11. what is subquery?
12. how to retrieve 2nd max salary in a employee table?(using subquery)
13. how to read data and write data from excel sheets?
14. code for complete screen shot and just the specified area?
15. what are the differences between TestNG and Junit?
16. How do you handle system (desktop) windows like file save as?
17. what is the locator you select for handling the scroll bar?
18. what do you do when date calendar is not editable or readable and you need to select the previous month dates?
19. how do you connect your test cases from Jenkins?
20. Explain your overall experience and the latest project and how you approached the automation process?

-----------------------------------------------------------------------------------------------------------------------------------------------------------

1. Explain a scenario in your project and write your approach(steps in english) for automation
2. Write the code for the above written steps
3. What is TESTNG full form and its Annotations
4. what types of meetings or terms in Agile
5. what is the toughest challenge you faced in automation career
6. what are your roles in your all projects and brief them
7. what type of team size you handle how do you assign tasks
8. what type of trainings you provide to the team?
9. what tools you used in your project and how do you use them for what purpose
10. write code for adding numbers 1 to 100?
11. how do you handle dynamic changing elements with selenium
12. how do you interact with client by meetings or calls or individually or skype
13. how important in this job for you in your career?
14. what is test Metrics?
15. where do you do the traceability of your requirements in Quality center (ans: is Test Plan tab)

------------------------------------------------------------------------------------------------------------------------------------------------------

1. What is Test Authentication
2. what do you reply to client when some bug is found in production how do you handle, do you put the blame on individual who missed it?
3. After 2 months of client using your product if it gets crashed ? then the issue reported will come in which phase of SDLC?
4. Selenium explicit and implicit wait code snippets?
5. Code for firefox profiler?
6. code for removing all cookies?
7. how many types of WebDrivers are there in selenium
8. which is the slowest Webdriver in selenium (ans is SelniumBackedWebdriver)
9. code for starting selenium server through command line

----------------------------------------------------------------------------------------------------------------------------------------------------------

1. what are phases of sdlc and stlc?
2. what is bug life cycle?
3. what is test strategy and what are there in it?
4. write code for starting firefox driver?
5. write any sql query using group by and having clause
6. write sql query using join key word
7. In Agile what is user stories, whether they are written in any tool
8. How do you estimate you user stories?
9. Explain the scenario or test cases to celebrate you child’s birthday party on Oct 2nd(positive and negative scenarios)
10. what jars do you use for retrieving data from excel files(ans is jxl and apache poi jars)

--------------------------------------------------------------------------------------------------------------------------------------------