

Technical Round

Tuesday, January 17, 2017 12:52 AM

Tough Questions:

1. Reverse an array in subset of N.

Example: input: Array = [1, 2, 3, 4, 5, 6, 7, 8, 9], N = 3

output: [3, 2, 1, 6, 5, 4, 9, 8, 7]

Solution: <https://www.careercup.com/question?id=5181130190880768>

2. Write a program to display a character occurred maximum times and if two characters occurring same no of times then display 1st character in string.

"HELLO WORLD!" display L

"HO HELLO!" display H (H, L and O appeared 2 times but H is in 1st in string)

Solution: <https://www.careercup.com/question?id=5099334145146880> (Refer last solution provided, easy and perfect)

3. Find length of longest palindrome string, you can shuffle or remove any characters in string.

Solution: <https://www.careercup.com/question?id=5077284777099264>

4. Print the count of duplicate char in a given string in same order. Ex: Input- 'abbacdbac', Output- 'a3b3c3d1'

Solution: <https://www.careercup.com/question?id=5744080144302080>

5. Count the number of occurrence of the elements in the given array

Solution: <https://www.careercup.com/question?id=5196839948124160>

6. given a string, calculate the frequency of characters, output the array with the letter and frequency. (such as: for "abbcdb", the output should be (a,1),(b,2),(c,2),(d,1))

Solution: <https://www.careercup.com/question?id=5692804064870400>

7. There are 2 arrays of integers. You have to add those integers and keep it in 3rd array. There is one condition, if the sum is a 2 digit number, split that number into single digit and other condition is if any of the array integer is left then print that number

I/P:

int[] a = {1,2,3,4,5,6}

int[] b = {2,3,4,5,6,7,8}

O/P:

{3,5,7,9,1,1,1,3,8}

Solution: <https://www.careercup.com/question?id=5692987154628608>

8. Write program for the following scenario

Input Array :- {1,2,3,4,5,5,5,6,7,7}

Output:- 5 is repeated 3 times

7 is repeated 2 times

Solution: <https://www.careercup.com/question?id=5697297964859392>

9. Find the longest running positive sequence in an array -

Eg - [1,2,-3,2,3,4,-6,1,2,3,4,5,-8,5,6]

It should return 5, with start index : 8

Solution: <https://www.careercup.com/question?id=5150558799265792>

10. Given a number in an array form, Come up with an algorithm to push all the zeros to the end.

Solution: <https://www.careercup.com/question?id=4846025567109120>

11. Given you an array of 100 Elements with one number missing, how will you find the missing number?

Array 1 to 100 with 55 missing.

Solution: <https://www.careercup.com/question?id=23092662>

FY2018

Tuesday, January 16, 2018 1:23 PM

Ghouse Abdul Khader

Tuesday, January 16, 2018 1:23 PM

Shortlisted: No

General:

Working with ZenQ from past 3 years.

1 year Manual and 2 years automation testing.

Worked on Selenium with Java.

Learning about API Manual testing.

Job change reason? To gain more exposure to different technologies.

Technical:

How to automate Native Windows using Selenium?

No Idea.

Asked to explain any scenarios where he has to interact with Engineering team in order to accomplish automation: Couldn't explain.

What is WebDriver? Is it a Class?

It is a Class and JAR file (Wrong Answer).

What is Page Object Model?

Diving classes per page. Create one class for each web-page.

Any idea about developing framework? Knows about Keyword Driven and Data-Driven framework but haven't worked on it so far.

String methods applicable in XPATH? Knows only about **contains()** method.

Different types of WebDriver APIs available in Selenium?

ChromeDriver, GeckoDriver etc (correct)

How to make selenium wait until page load?

We can use explicit wait to wait for elements to load. Class used for waiting in WebDriver?

WebDriverWait (correct)

How to start batch files using selenium? Don't know coding for the same?

When to use JavaScript variable in Selenium Webdriver?

Whenever we have to scroll the page to make the element into visibility (this is one of the use case).

How to run code in browser's console? Don't know.

How to run selenium-webdriver test from command line? Don't know.

Logical:

Asked to write logic to reverse string where in each iteration first character of string should be printed last: **Couldn't solve**

Overall:

Poor in communication and finding hard to explain the concepts he know. Also, unable to understand

the questions properly. He has basic knowledge on Automation and I believe he might be doing automation only for an year now though he mentioned 2 years of experience in automation. As we are looking for candidate who's good at technical and logic aspect this candidate doesn't fit the requirement.

Campus Hiring - MVSR

Friday, January 19, 2018 10:38 AM

Venkanna Babu: NO

- Tries coding on hackerranker to test his coding skills.
- Project selected - Automation of SQL injection
 - This project is to inject sql in unauthorized way so as to verify if websites are susceptible to such attacks and develop methods to prevent the same.
 - We can use Prepared statements to avoid such unauthorized injections.
- What are different statement types in SQL?
 - Prepare Statement (don't know about other statements)
- Interested in C language.
 - It is structured oriented programming.
 - Structure Oriented: Code is written in functions.
- Why class are required?
 - To provide Encapsulation and Data Abstraction.
 - It is a blue print of object and specifies what objects perform.
- What classes contains?
 - Member variables and Methods.
 - Variables declared in a class are known as member variables.
- What's the use of constructor?
 - It is created on defining objects and used to assign values to member variables.
 - Constructors can be parameterized as well.
- What's the use of overloading a constructor?
 - Used for assigning variables.
- What is overloading?
 - Create methods with same name but different parameters.
 - It is to demonstrate the concept of polymorphism.
- What is dynamic overloading?
 - Decision to execute method will be taken at runtime (realized that there are no dynamic overloading concept instead it is dynamic overriding).
- What is overriding?
 - Function with same name same number of parameters with same data types.
 - Methods are override in child class.
- What is singleton class?
 - It can have only one object created.
- What are abstract class?
 - It contains only function names without body - Wrong.
- Can we declare class as abstract if it doesn't have any abstract methods?
 - Yes, but not sure (correct answer though).
- How to create object for abstract class?
 - We cannot create objects for abstract classes instead we extend the same and implement the methods there.
 - Why we cannot instantiate abstract classes?
 - Because it has methods with no implementation.
- Can we call methods which are not defined yet in C?
 - No, it generates compile error as it has to be defined first before using.
- Exception Handling?
 - It is run time errors and can be handled using try, catch, throw. Throws and finally also but

- in Java only.
- Try - contains code which are suspected to throw exception.
- Catch - used to catch exceptions.
- What throw is used for?
 - We can throw errors using it.
- Do we have finally block in c?
 - No - Wrong.
- Is it necessary to have catch block after try?
 - Yes - Correct.
- What's the use of finally?
 - It executes even if there are exceptions. However, he don't know why it is generally used.
- Can we write try catch in finally?
 - Yes - Correct
- Can we write multiple catch blocks?
 - Yes - Correct
- Given scenario to identify which exceptions are caught by which catch block but couldn't identify the logic behind the scenario.
- Couldn't write logic for the pattern given.

Abhishek: NO

Y.Venkatesh: NO

K.Jaswanth Reddy: YES

K.Shravya: YES

Campus Hiring - GITAM

Wednesday, January 24, 2018 10:56 AM

Dharmendra Kumar Voona: NO

Rishita: NO

Harsha Vardhan: NO

Harika Vuthunuri: No

M.Sriya:

Campus hiring - Narayannama

Wednesday, January 31, 2018 10:04 AM

Bhavya Vinukonda: NO

Scan trans - Mini project - Targeted for travelers

Used OCR and treasent:

Used Yand API - translate from one language to another

4 members

Handled OCR module

Participated in **India Code for Good Challenge 2017** conducted by **JPMorgan Chase and Co.**

NGOs gave task to build website to track the performance of students

She worked on developing frontend web-pages

Constructor?

Special member

Same name as class

No return type - Why? It does not take any values?

Constructor cannot have arguments (wrong)

Is it compulsory to write constructor? NO but it is required in case of applying inheritance concept.

Why constructor has to have same name as class name?

As it has to understand the class

When we don't declare constructor it'll give compile error

What is compile error means?

Compile shows error in code such as syntax error etc.

Which compiler java uses? JVM

Access specifiers?

Don't know about access specifiers concept apart from their names

Packages?

Collection of interfaces and classes

Interfaces is a collection of abstract methods and we have to use abstract keyword to declare a method as abstract in interfaces

Sub-classes?

Class in another class

What is meant by scope?

Don't know

Nested classes?

Classes within another class

Unable to solve simple logic such as factorial and Fibonacci series.

Mounika Guntha: NO

Taken course on HTML in 2-2.

Developed a web-page to test her learnings

Learned basics of PHP during academics and developed a **Student Certification Registration.**

Used XAMPP server in their project to connect frontend code to backend.

She says XAMPP can read data directly from front end and pass on the same to QAL query to insert the same into database

Differences b/w calloc and malloc?

Malloc is used for entering the data dynamically and provide memory access during runtime

Calloc also used for memory allocation

Which is better b/w calloc and malloc? Malloc

List of class specifiers in C?

Auto, register, static, extern

What is NULL pointer?

Assigns value to null

What is dangling pointer?

Shows garbage values

What are static functions in C and its uses?

Used to initialize values of variables to ZERO.

What are OOPs concept?

There are many but mainly, data abstraction, polymorphism, encapsulation and Inheritance

What is encapsulation?

Binding of data into one group.

Why binding of data is required? Gave some vague example of linking Aadhar cards with bank account

What are classes?

It is a blue print of object which specified properties and behavior of that object.

Object is an instance of class using which we access methods of class.

Is there a way to access class methods or variables without object creation?

No, we should compulsory create object.

What are constructors?

It is a default method and its name is same as class name.

No return type

Can initialize variables within constructors.

What happen when constructor is not written?

Nothing will happen, if constructor is present it'll be called otherwise it'll leave it.

Can we have parameter to constructor?

It is called as parameterized constructor.

Purpose of parameterized constructor?

Gave some example but couldn't explain the purpose.

Different types of testing?

Whitebox, blackbox and graybox testing.

BB: testing of external functionality
WB: testing of internal functionality
GB: combination of BB and WB

Explain STLC?
Requirements
Design
Test cases
Testing
Deploy

Tejaswi Tejapati: NO

Definition Vs Declaration

Int abc; **Declaration**
Int abc = 10; **Definition**

Does declration utilizes memory?

Yes

What is NULL pointer?

It is used to indicate end of sentence.

What are different storage class specifiers in C?

Public, private, protected

What is memory leak and why it should be avoided?

Don't know

Malloc vs calloc?

Malloc: allocate memory

Calloc: deallocate memory

Pointers and when to use?

Used to define location of object

Reduces space requirement

How to create object in C?

Using New operator

Is new an operator?

Yes

Venkata Nikhil: Yes

What is constructor?

Same name as class name

Invoked during creation of object

Need of constructor?

It automatically executes constructor when you invoke object.

Is it necessary to declare constructor?

No

What is default constructor?

Unable to explain

What is static keyword?

No need for object when we use static keyword.

It will be called only once.

What is static class?

Consist of at least one abstract method

Static method?

Can be implemented only once

Static block?

Cannot be varied during runtime.

Nested classes?

Class inside another class.

Access specifiers?

Public, Private, Protected and default.

Packages?

There'll be classes and programs which can be imported

Couldn't explain scope of access specifiers

Encapsulation?

Wrapping code and data together in single class?

What is class?

It is blue print of object.

Features of Java?

Simple, Robust , Secure, User Friendly

Need of multiple inheritance?

Couldn't explain

Interfaces?

Abstract methods and final variables

Can we implement other interfaces in one interface?

yes

Abstract class must have at least one abstract method

We cannot create object for abstract classes

For interfaces, one has to create a reference variable to the interface and then we can use that variable

Shivani Pulluri: No

Features of Java?

Encapsulation: Bind code and data

Inheritance: inherits properties of another class using extends keyword

Polymorphism: many forms of same methods

Data abstraction: shows only relevant details.

Multiple Inheritance?

Ambiguity

Class can implement many interfaces.

Interfaces will have only method declaration? Yes

It'll have only methods declarations

What are constructors?

With the help of constructor we can initialize values.

Two types: Parameterized and no-parameters

Return type of constructor? No answer

What is static keyword?

Couldn't explain it well.

Final keyword?

Cannot change value of variable.

Cannot extend class if declared final

Cannot override method if declared final

Finalize: gets executed by GC

Finally: program will be executed even during exceptions

Finally is used for methods

Exception Handling?

Try, catch

Checked and un-checked

unchecked: Runtime

Checked: compiletime

Switch statement?

Int and character

Nested switch statement? Not sure

Interface as final? No answer

Class as final? Yes

Final class will be executed even in case of errors

Use of this keyword:

Subclass values can be accessed using **this keyword**

Ambika: NO

ACID properties:

Atomicity: eliminate multiple value

Consistency: Should replicate same value

Isolation: one transaction should not affect other

Normalization?

Remove redundancy through splitting tables.

1NF

No partial data should be present

Multiple values with same data should be separated

DDL: Data Definition Language

Data Manipulation Language: Insert, update, alter, delete

Data Control Language:

Sai Mounika Thallada: NO

Sumatha: NO

OOPS?

Inheritance: Subclass inherits from super class

Encapsulation

Polymorphism: object takes many form

Different type of polymorphism? Don't know

Packages: Don't know

Interfaces

Access specifiers?

Public

Private

Protected

Don't know any details about access specifiers

Veera Naveen: NO

Malloc vs calloc?

Explained wrong differences

Storage specifiers?

Auto, static, extern (one missing)

Campus Hiring - VNR Vignan Jyothi

Tuesday, February 20, 2018 2:11 PM

Sai Shashank:

Communication:

Was nervous to explain the reasons

Technical:

Which is a programming language - Unix/Linux?

Linux

Why Java is Platform Independent?

Because it is reliable!

What do you mean by reliable?

Reliable means it is more secured!

Why C is not secured?

Because it doesn't have Object Oriented Concepts.

Logical:

Couldn't write logic for factorial round.

Harshitha Reddy:

FY2017

Tuesday, January 17, 2017 12:54 AM

Suresh Damodaran

Tuesday, January 17, 2017 5:22 PM

About yourself:

- Start carrier with Runaware.
- Started as Manual testing and moved on to automation in Runaware.
- Joined as Automation Engineer in Genpact.

Job Change reason?

- More opportunity.
- Maintenance work for so long.

Tools and Technologies used:

- Selenium IDE
- Selenium-WebDriver
- Auto-IT for handling windows popup.
- Used Appium as POC for mobile automation.

Learned through appium?

- Actual device or simulators needed.
- Simulator was slow.
- Genee motion tool is used for exploring appium.

Project Structure:

Page Objects:

- It takes a class which represents a screen and there'll be separate class for screen validations.
For Ex: Login screen would have logicPage class and LoginPageValidation class.
- Explained page object models.

Challenges faced:

- Reviews from client from time to time and explaining the reason for what's not been achievable.

Contribution to reduce maintenance?

- Using Page Object models.
- Storing locators in data base.

How to handle Intermittent issues?

- We have to handle such issues at early stages.
- Check configuration that client uses.
- Keep track of test case performance at client's end.

Coding Skills:

- Matrix problem: Find all occurrences of given character in a square matrix and replace all elements of the row, column which contains that character - Unable to solve logic.
- Array problem: Given an unsorted array and the number. Find if sum of any two numbers from array sums up to given number. Return boolean value based on it - unable to solve logic

Harinath Salamaddur

Friday, January 20, 2017 6:45 PM

Introduction:

- Working for Bartronics currently.
- Working on Asset Management system, Financial Inclusion (Banking Domain).
- 4 Automation engineer, leading the team.
- Identify manual test cases and automating the same. Manual team write test cases and he works on automating the same.
- Works on building framework. It is hybrid framework i.e., Data Driven and Keyword Driven. Now moving towards Page Object Models.
- Icescrum tool is used to follow agile methodologies.

Explain Agile Methodology.

- Scrum Master: Involved in story creation. He also manages sprint activities.
- Product Owner: Have complete accessibility on product. He create story and manages backlog. He just watches activities going on in the project.
- Module/Team Lead
- Team Members
- Redmine is used for bug tracking.
- Client also joins sprint meetings if he wants to.

Able to explain the key persons of the process and their responsibilities.

Steps to reduce maintenance:

- Using SVN for maintaining code - not correct answer.

How to access objects?

- Using locators - Correct.

Asked to write custom XPATH? - Couldn't write and says we cannot validate the scenario.

Conflict Management:

- Gave some scenarios and asked how he'll manage the conflict but he couldn't come up with promising answer which would resolve the issue.

Coding Skills:

- **Array Problem:** Given an unsorted array and the number. Find if sum of any two numbers from array sums up to given number. Return boolean value based on it -

Reason for Switching the Job:

- Looking for team leader position.

Pawan Kumar Mohite

Monday, April 17, 2017 6:11 PM

- Worked on non-agile projects.
- Worked for both manual and automation for equal amount of time.

Reason for change?

- Working on same domain for so long.

He says what tools you used for backend testing he couldn't say.

Asked questions on GIT and unable to answer it.

Unable to explain about Page Object Model.

My Feedback:

As the position we are looking is to manage the team he doesn't fit for the role. Through conversation I figured out that he worked more on manual side than towards automation. Also, though he mention about managing team I don't feel he has really played any such roles.

In terms of communication also he didn't do well. He also lacks in confidence and body language was also poor. Thus, my take is no for him.

Lenin Kumar

Friday, July 28, 2017 1:00 PM

Lenin Kumar



YenniLenin
Kumar[4_6]

Ratings (Weightage):

Communication Skills (25.00%):	3
Technical Skills / Process Knowledge (25.00%):	3
Analytical Skills (25.00%):	4
Leadership / Management Skills (25.00%):	4

Comments:

Shortlisted: NO

General:

Worked with High Radius for 3 years, last one year served as a Team Lead. Changed organization as he worked on same technologies throughout his tenure there.

At ValueLabs he worked as both Manual (30%-40%) and Automation Tester (60%-70%). Reason to change particularly due to shifts (9 PM to 4 AM).

As TL at High Radius, he uses to just delegate the task and also work on automating test cases. First 6 months at High Radius he worked as Tech Support.

Technical:

Difference b/w Selenium and Selenium-Webdriver?

Couldn't answer.

Couldn't answer drawbacks for Selenium RC.

Project Model (using Java):

Explained about project structure.

Not good with Page Object Model concept.

Not sure how to reduce maintenance,

Don't know much about customizing XPATHs.

Logical:

Given a problem to find set of 3 numbers from an array which sums to given number: Couldn't solve

Management:

How to balance work among the team while delegating?

Says, his company has a standard of addressing 5 bugs/12 test cases per day. He assigns the work based on the severity but no assessment if a person is capable of performing the task.

Track the progress in of individual work in excel automation.

Overall: He's still in the learning phase for automation role. As he started his career at **High Radius** and moved to ValueLabs he lost the chance of learning management skills and again got into a role of

tester. I felt he wants to get into the more technical role than a management role.

From <<https://is.factset.com/hr/recruiting/Interview/InterviewView.aspx?InterviewID=205872>>

Leela Pratap Singanpalli

Friday, July 28, 2017 2:05 PM

Leela Pratap Singanpalli



Leelapratap
[3_0]

Ratings (Weightage):

Communication Skills (25.00%):	4
Presentation Skills (25.00%):	4
Technical Skills / Process Knowledge (25.00%):	5
Analytical Skills (25.00%):	NA

Comments:

Shortlisted: NO

General:

Working at Capgemini as **Associate Consultant** but joined as Software Engineer.

Roles in current designation:

- Need to handle verification of credit card statements for client Fiserve. These statements are validated against customer's CMS history in **Vision Plus**.
- Currently doing manual testing of an application.
- Currently testing 1 application i.e., CMS.

Technical:

Using JIRA for bug tracking.

How to report a bug for the product which your organization does not own? No answer.

Partly worked on Automation for one of the projects but it was only a maintenance task.

Unable to answer what are the advantages of SoapUI.

When should we be going for web-service testing vs UI testing?

Web-service saves manual time and we can reuse the code (irrelevant answer).

He's not even aware of Page Object Model which is one of the most popular approaches for

Overall: Lacks in communications and unable to explain the concepts he already worked on.

From <<https://is.factset.com/hr/recruiting/Interview/InterviewView.aspx?InterviewID=206422>>

Uday Bhasker

Friday, July 28, 2017 3:59 PM

Uday Bhasker

Ratings (Weightage):

Communication Skills (25.00%):	3
Presentation Skills (25.00%):	3
Technical Skills / Process Knowledge (25.00%):	4
Analytical Skills (25.00%):	5

Comments:

Shortlisted: No

General:

Worked with 4 different organizations:

1. Endos Info Technologies Pvt Ltd
2. Fareportal India Pvt Ltd
3. Collebera Technologies
4. Black Knight Financial Services

From past 2 months, he doesn't have a job.

Changed multiple organizations in order to search for better opportunity.

Technical:

Very good knowledge on Agile testing. He explained the complete agile process in detail.

Page Object Model? Just possess basic knowledge on Page Object.

Challenged faced using agile process:

1. Engineering team releasing the changes without testing on QA server.
- Apart from this, he could not explain any other challenges.

Difference b/w selenium and selenium-webdriver?

Webdriver is an interface class. It has different drivers for a browser. Geko driver is for Firefox introduced in selenium version 4 (we just got new version 3, there is no version 4 for selenium).

Best locator strategy?

XPATH is best and CSS is best for IE.

Customizing XPATH?

He knows list of XPATHS?

To reduce maintenance go for absolute XPath (this is completely opposite, we should be using relative

Implicit vs explicit wait?

Implicit wait - Eclipse wait only when required,

Explicit wait - Wait for a condition to be true.

Logical:

1. String problem: Print string n number of times where n is the length of a string. Also, each time while printing, the first character of the string should be printed last - No logic was written.
2. Array problem: Find set of 3 numbers from an array which sums up to given number.

Overall:

He has good theoretical knowledge on the Agile process but not sound in automation. Hence, rejecting.

From <<https://is.factset.com/hr/recruiting/Interview/InterviewView.aspx?InterviewID=206437>>

Vadlamani VVS Surya Narayana Murthy

Tuesday, August 22, 2017 7:14 PM

General:

- Worked with Mphasis for 9 months on wynsure technology developed by Mphasis.
- Working with Kony as software developer but his responsibilities are more of an automation tester.

Technical:

- Follows Agile model for product development.
- Explained agile model setup.
 - Project manager can change the priorities of current sprint.
- Mostly work on testing applications on FF.
- Was using maven build tools.
- Used Javascript executor to pass the path to windows based dialogs in order to bypass windows based dialogs.

FY2015

Tuesday, January 17, 2017 12:53 AM

6th Oct 2015 (Interview)

Tuesday, October 06, 2015 4:44 PM

Sarika:

Completed Btech in 2014 and then did PG Diploma course from CDAC-Hyderabad (Feb2015-Aug2015).
She attended 2 companies Magnaquest (failed to clear Technical) and Wrmr (Failed to clear Technical).

Java:

Features: Class, Object, Polymorphism, Encapsulation.

Encapsulation: Binding the data like JavaBeans. We have to bind the data for security purpose.

How to secure the Data?

Using Private members.

Code is converted to byte code and is machine understandable but cannot be read by Humans.

Polymorphism: Things in many forms. Overloading and Overriding.

Overloading: Same function names.

Overriding: can be done in Inheritance.

Constructor: Use to initialize the object and returns the current class object.

When no constructor is declared default constructor will be created by JAVA.

She could not say primitive different data types. She says **String** is data type.

She could not explain difference between **String** and **StringBuffer**.

Deadlock: Processes waiting for each other to release resources.

How to achieve multi-threading?

Use either Thread Class or implement Runnable interface.

Inheritance: Use to acquire the property of parent class to child class.

Types: 5 types but in JAVA 3 are used.

Multiple Inheritance is not supported by JAVA but could not explain why it is not supported.

Interfaces: Contains public final static data members and abstract methods.

What is static classes?

Could not answer.

Exception Handling:

Throwable class is super class of all exceptions.

Try, Catch, Throw, Throws and Finally are used for exception handling.

Could not answer questions from Servlet.

Logical:

Couldn't solve logic to find 2nd largest number from array.

Able to solve logic for swapping the numbers.

Don't know how to use recursive functions. Thus, did not try to solve Fibonacci series.

7th Oct 2015 (Interviews)

Wednesday, October 07, 2015 5:18 PM

Susheela Bandi:

Got selected in 2 companies: **enate** and **tismo** but denied the offer due to re-location. Her husband (kotireddy Bandi) is working here as RA.

She attended CSC (waiting for HR response (done with all the rounds)), Virtusa (rejected in Technical) and Capgemini (rejected in HR).

She has gone for **ISTQB** certification for 3 months at **TalentSprint** and got a chance to attend companies mentioned above.

She is going for **JAVA** classes from past 2 weeks at **Naresh Technologies**.

Technical:

Why use Selenium?

Open source tool used for testing only web based application testing.

Difference b/w Selenium and Selenium-WebDriver?

Webdriver is component of **Selenium**.

WebDriver is successor of Selenium .

Not dependent on server.

No Client-Server Architecture.

What is XPATH?

Locator to identify the elements on the web page.

We need to know **JAVA** to use Selenium.

Features of JAVA: Simple, Multi-Threading, Secure etc

Why JAVA is platform independent?

Couldn't answer.

Constructor: Don't know

Primitive Data Types: Don't know.

Interfaces: When we don't know implementation detail of methods we use interfaces.

Inheritance: For code reusability. Uses extends keyword to achieve inheritance.

Multi-Level inheritance is not possible.

Exception Handling:

Exception is abnormal condition and we use try, catch, throw and throws to handle it.

Difference between throw and throws? Don't know

Can we have multiple try-catch block? No

Nested Try-Catch? Not sure.

13th Oct 2015(Interviews)

Tuesday, October 13, 2015 5:43 PM

Ajay Kumar:

Platform independent means compiled programs cannot be run on different machine.

Constructor: Declared as class name, and gets created when declared the object. It does not have return type.

Use of constructor? Told about method overloading.

String: It is a data type.

Static variable: special variable, has default value "0".

What interface consist? Contains only functions.

20th Oct 2015 Interview

Tuesday, October 20, 2015 6:49 PM

Vishnu:

- Looking for job change for career growth.
- Has 2.5 years experience, 6 month in Manual and rest in Automation.
- Used UIAutomator (google plugin) for mobile testing.
- Used Robotium (it is a jar file) to test mobile apps.

UIAutomator cannot automate web applications. Robotium was used to test data as well.

Webdriver: It is an interface. Store different properties in different classes for various browsers.

Interfaces:

It consist classes, methods and abstract variables. He says we can have abstract variables.

Abstract is keyword used for reusing the code.

Inheritance:

Use extends keyword to acquire properties of parent class to sub class.

Polymorphism:

Method with same name but different forms.

Types: Runtime and compile time.

CompileTime: should be handle data during compile time.

RunTime: provide the data during runtime.

Why we compile?

To check requirement.

Who does compilation?

JVM

Difference b/w Selenium Webdriver?

Webdriver is part of selenium.

Sel1: Only play and record, cannot perform control flow actions, no reporting tool.

Sel2: has vast options to automate web apps, can use assertions, can use reporting tools.

Absolute vs Relative paths?

Absolute: from root element of webpage

Relative: Do not form path from root element (we use '/' in this case).

E2E testing?

We have all stages of testing as part of this testing.

Testing the application as a whole is known as e2e testing.

Functional testing?

Only test a particular functionality.

Unit Testing?

Not clear

White Box vs Black Box testing?

White Box: done by engineer, unit, functionality

Black Box: sanity testing, integration, smoke testing.

Constructor:

Use to initialize class object, no return type, same name as that of class.

This is the first method executed other than static blocks.

Static class?

Without creating the object we can call the class.

Unable to explain static classes properly.

String: it is a data type (wrong)

29th Oct 2015 Interview

Thursday, October 29, 2015 5:25 PM

Ravi Teja

- Has 4 month 3xperience in recruiting at AOHR private limited. Worked for Wipro and Infosys clients.
- Also worked as Tele Caller, Fashion Photography editor.
- Currently working with **Jobershuh.com**.

Technical

Features of Java: Simple object oriented, portable, robust security, multi-threading etc.

How Java is portable? After compiling we get byte code which can be run on any platform.

OOPs concept:

We have classes and objects. Class is collection of variables and methods and we access this using object of a class.

Don't know Object Oriented Principals.

How to use the properties of existing class? We use inheritance concept.

Creating a class using existing class.

Multiple inheritance is not supported in Java due to ambiguity problem. Can be overcome using interfaces.

Constructor:

Used for initializing the objects and do not have return types.

Can I have multiple constructor in a class? NO (Wrong)

What is String?

It is one of the DataType (wrong).

What is StringBuffer?

It is a memory used to read from input.

Exception Handling

Uses try, catch, finally, throw, throws.

Throws suppress the errors. Using throw we can create own exception.

Where to declare throws? Don't know.

Why to use finally? This is the which executes regardless of exceptions. It is use to close the resources.

Can I use Try-Catch in Finally? Yes but cannot use nested try.

Logical:

Find 2nd largest number from array? Could not solve it.

Swap numbers without 3rd variables in single statement? Could not solve the logic.

16th November 2015 Interview

Monday, November 16, 2015 5:24 PM

Madhuha:

- Attended **excers**. Lost in technical.
- Attended Tribro, Educonnect.
- CSC, Infosys (rejected in GD), Dell and some more (didn't attend as they offered BPO jobs) came to campus.
- Did C# .Net at APAC in Vanasthalipuram during the graduation (2014).

Random Dates

Thursday, December 03, 2015 5:16 PM

Mounika:

Shortlisted: NO

Communication: Able to communicate well.

General: Completed **Btech** from CSE in 2014 and attended Tech Mahindra, ADICO and 2 more (failed to clear technical round). Completed JAVA and Oracle course at Naresh IT in January 2015.

Technical:

What is constructor and its uses?

It is a function and gets created during the object creation. It is invoked automatically when object is created (correct). She says we can call constructor with the constructor name (false).

What is method overriding?

Same method and same number of parameters but could not explain about overriding works.

Why we need overriding?

Could not explain.

Method Overloading?

Same method names with different arguments. We can define multiple methods within the same class and can be executed with different set of parameters.

Can we overload constructors? Yes but could not explain what is the use of overloading the constructor.

What is final keyword? Explained the use of final keyword with variable, method and class.

Could not explain why constructors cannot be final.

Difference b/w final and static variables?

Could not explain the differences.

Can we access non-static methods inside static methods? Yes (wrong)

Is String a data-type? No, it is a class and immutable (correct) but could not explain why it is immutable.

Is it compulsory to have default case in switch? Yes (wrong)

Manohar Reddy:

Technical:

How many languages C# support?

Many

Can we develop single application using different languages?

Yes

How compiler understand which languages is used for developing the application?

Just-in-Time compiler converts the code to intermediate language which is understood by all languages.

.Net is independent to platform.

How OOPs concept help C# to be platform independent?

It works only with Microsoft products like windows.

What is require to run .Net program on other machine?

No software required, it directly executes.

Do not know about Jagged arrays.

Not aware of Delegates.

What is Boxing and Unboxing.

Boxing: converting value type to reference type

Unboxing: converting reference type to value type

Do not know about partial classes.

What is Data Reader? Used to read rows but cannot update the data.

What is Dataset? Can read and update the data.

We need to have connection to use DataReader and DataSet.

What is Data Adaptor?

Difference b/w DataSet and DataAdaptor?

Changes made using DataSet will be updated with the help of DataAdaptor.

Exception Handling:

To handle errors we need to write code which might throw error into TRY block.

CATCH block is used to handle exception.

Finally is executed in last, after executing the code before it.

How program execution is done in interpreter language?

After compiling the program it executes whole program.

Can we have multiple try-catch? Yes, there can be multiple try and catch.

It is compulsory to have finally block.

Does JAVA or .NET support multiple inheritance?

Yes, through interfaces. Because interfaces hold only methods without implementation.

Why we cannot have multiple inheritance using classes?

Complexity increases due to inheriting multiple classes.

Suresh:

Technical:

What is the use of constructor?

By using the constructor object is automatically called (false).

Why we need object during compile time? No answer.

Difference b/w instance and class variable?

Instance variable: variable which copies and won't get affected when... no answer

How to execute java program? Explained about commands

Is it compulsory to name the JAVA file name same as class name? Yes (wrong), but didn't know the reason.

What happens after compiling the program? It gives .class file (correct).

Why we need to compile the program? So as to make it machine understandable.

Why JAVA is said to be platform independent?

Says we can execute .class file from different systems but what he refer systems to be here don't know.

Deepak: 7th Dec 2015**Technical:**

JVM is independent of platform?

Yes

Components of JVM?

Don't know

What is WebDriver?

Interface in Selenium 2.0 API (true).

Difference b/w Selenium IDE and RC.

Selenium IDE available only for Firefox.

RC is a server and due to same origin policy it is discontinued.

Interviews on 12th Dec 2015 (Saturday)

Selected: Sudha Chakinala, Charuvaka

1. Mounika Chava: Below Average
2. Rahila Moodapally: Poor
3. Sreenivasulu Akula: Very Poor
4. Sai Teja Ramagoni: Below Average
5. Shilpa Garai: Poor
6. Charvaka Thallapelli: Average
7. Deepika Jiuware: Below Average

Deepika Jujare: (3, 2, 3, 2, 4, NA)

Shortlisted: NO

She has good communication skill and can be considered for any open positions in manual QA.

Communication: Able to communicate well.

General: Completed Btech in 2015 from ECE stream. Joined for JAVA course from past one month at Naresh IT. She attended campus interview for HCL (selected but didn't join them as it was a BPO), Broadridge - Offcampus (rejected in 2nd technical round). This is her third job interview.

Technical:

Why we use constructors?

Special methods used to initiate values of variables.

Why we use static keyword?

To create individual memory. If the variable is declared static it'll be static throughout the program.

Can we call non-static methods inside static methods? NO but don't know the answer.

What is abstraction?

When class is declared as abstract then it'll have abstract methods.

What is inheritance?

Obtaining the parent class property to child class.

Types: Multiple, Hybrid don't know remaining.

Java supports multiple inheritance (wrong).

Exception Handling:

Handling the errors raised during the execution of program is known as Exception Handling.

She says she just started the course and do not know much about JAVA concepts. Thus she is not aware of many programming concepts.

Logical:

She said she'll be able to do basic coding thus tested the same.

Asked to write logic to reverse the number?

Solved the logic

Write logic to find second largest number from array? Couldn't solve it.

Overall: Good in theoretical but has to improve in logical ability. Hence rejecting.

16th Dec 2015: Interviews

Aswani Kolli (Average)

Shortlisted: Yes

Communication: Able to communicate well.

General: Completed MCA in 2015. She is going for JAVA course in Naresh IT and this is her first job interview.

Technical:

Where we use C language?

It is structure oriented and use for product development.

OOPs: Inheritance, Abstraction, Encapsulation, Dynamic Binding etc.

What is class?

It is object of real world entity. It has properties (values of the class) and behavior (functions).

Why we need class?

For reusability, data hiding (partially correct)

Access Modifiers:

Public: Accessible everywhere

Private: Accessible within class not outside.

Protected: Accessible to immediate subclass

Default: It is same as public but cannot be accessed outside of package (all correct).

Difference b/w instance and class variables?

Instance variables: Reference variable (declared outside the class).

Class variable: variables which belongs to class (declared inside the class).

What is String?

It is a class (correct). Explain well about the difference between String, StringBuffer and StringBuilder.

Exception Handling:

Try: Code which might raise exception should be placed under this block.

Catch: Use to handle exceptions raised in the catch block.

Logical:

Write logic to reverse the number? Solved

Write logic to check if string is Palindrome? Solved

Write logic to find Second largest number from array? Solved

Anusha Saladi (Very Bad)

Shortlisted: NO

Communication: Able to communicate.

General: Completed BTech in 2014 from CSE stream. She took bank coaching but didn't work and came back to CSE stream. She took testing course from TalentSprint and completed it in September. She attended Capgemini (rejected in final round), Infosys (rejected in technical) and Hyundai (rejected in final round).

Technical:

Tell me about static classes, variables and methods? No answer.

Neither she know about programming languages nor databases.

17th Dec 2015: Interviews

A.Jhansi

Shortlisted: NO (Bad - 3, 4, 4, 4, NA, NA)

Communication: Able to communicate well.

General: Completed Btech in 2015 from CSE Stream. She attended valuelabs (rejected in technical). She joined for JAVA training a week ago.

Technical:

OOPs: Class, Objects, Platform Independent, High Performance etc (wrong, these are JAVA features).

Encapsulation:

Wrapping a data into a single unit. Ex: class (correct)

To increase the performance of program we wrap the data into single unit.

What is Platform Independency?

We can compile once and run everywhere.

How to run JAVA program? Answered correctly.

We cannot save java file with name other than it's class (false).

Which method will be executed first in the class? Gave some irrelevant answer.

Can we have multiple main() functions? No (false)

Overloading?

Method name is same but parameter varies.

Overriding?

It is similar to inheritance. She says overriding is an example of inheritance.

Types of Inheritance?

Don't know

Exception Handling:

Exceptions occurs during the runtime only (wrong).

Mallela Navya

Shortlisted: NO (Below Average - 3, 3, 3, 3, 5, NA)

Communication: She was able to communicate well.

General: Completed BTech in 2014 from ECE. She attended interview at MouriTech (Rejected in HR round(May 2015)). She completed C and Java course from Satya Institute.

Technical:

Difference b/w Static and Instance variables?

Static: Can be accessed using the classname (correct). We cannot call static variable using objects (wrong).

Instance: Need object to access it.

What is final?

It is a keyword.

Final variables: Cannot change the values of it.

Final methods: Cannot override them.

Final Class: Cannot modify methods of class from another class but can access it (wrong).

Overriding:

Same method used for different purposes.

Unable to explain clearly about method overriding.

Dynamic Binding?

Methods and Variables are bind together is called Dynamic Binding (wrong).

Exception Handling:

Handling errors in program.

Try-catch and finally block is used to handle exception.

Don't know about throw and throws?

We cannot have try-catch inside finally (wrong)

Types of Exception Handling? Don't know.

Can we have protected and default classes? Yes (wrong)

What is Abstraction?

Hiding the details from the user.

We should have at least one abstract method in abstract class (wrong).

Unable to explain the control flow when the execution raise.

Logical:

Write logic to find factorial of a number using recursive functions?

Ram Reddy Palnati: (Very Bad)

18th Dec 2015: Interviews

Rasmitha Saaho: Below Average

Jasim Mohammed: Below Average

21st Dec, 2015: Interview

Komal Agrawal: Good

Priyanka Tandley: Below Average

Vijay Pamu: Very Bad

Raman Raj Singh: Very Bad

Nayeemuddin Mohammed: Very Bad

Hazarath Meravula: Very Bad

Mahesh Sangupally: Very Bad

23rd Dec, 2015: Interview

Supraja Sudineni: Bad

Naveen Chittibabu Pappala: Bad

Poojitha Kukalakuntla: Below Average

Swetha Adelly: Bad

Pankaj Negi: Below Average

4th Jan, 2016: Interview

Fahimuddin shaik: Bad

Manoj Voonna: Very Bad

Siva Nagarjun Sirivella: Very Bad

5th Jan, 2016: Interview

Sowjanya Shavva: Bad

6th Jan 2016: Interview

Durga Venkateshwara Rao Yeragorla : Good (Selected)

7th Jan 2016: Interview

Bala Parameswari Mounica Poosarla: Very Bad

Ajay Kumar Gattla: Very Bad

8th Jan 2016: Interview

Anjali Ajmeera: Bad

11th Jan 2016: Interview

Ram seshadri Bonthu: Average

Shortlisted: NO

Communication: Able to communicate but fumbles a lot which could be a problem when communicating with remote employees.

General: From Rajahmundry. Studied computer science at ASR college College of Eng in Tanuku. Developed web pages at Nexilabs. Learnt complete web development . Attended interviews at Yash Technologies, 3DPLM S/w in Pune, Wipro.

Technical:

Why Java is platform independent?

Because of class file and JRE. JDK is platform dependent, there we are achieving platform independency of JAVA. (partially correct)

Components of JDK?

Compilers, JRE. Compiler takes java written code and gives class files. Then class file is sent to the intermediate code generator which converts into machine code (correct, but didn't tell which

component of JDK does this all).

What is difference b/w Compilation and Interpretation?

In compilation, it takes in one step (not clear).

In interpretation it takes one line at a time.

Is JAVA compiled language or interpreted language?

Compiled language (correct).

What is constructor? Uses?

It is used to instantiate the class. It constructs the object. It find out if there are any instance variables or methods and allocate space for them (wrong).

Default constructor and parameter constructor: If we don't have constructor then default constructor is provided by compiler.

What are difference instance and static variables, methods?

Once the class is loaded, memory for the static variables and methods are provided (correct).

For instance variables, we need object to allocate memory (correct).

Static methods cannot be called inside instance methods (wrong).

We cannot call static methods or variables using the objects (wrong).

Difference b/w abstract class and interface?

Interface can be said as 100% abstract class. We have fully abstract methods in interface. (correct)

Abstract class many contain both concrete and abstract methods. (correct)

How to restrict a class from being inherited?

Using the final keyword (correct).

Can we restrict class from inheriting using private classes?

Private classes can also be inherited (wrong, we cannot have private classes).

How to restrict a user from instantiating a class?

By making the constructor as final (partially correct).

Use private classes to restrict class from instantiating (wrong).

What interface contains?

It has static final variables and fully abstract methods (correct). But he can't tell why we have static final variables.

Types of inheritance java supports?

Single, multiple, hierarchical but doesn't support multi-level (wrong).

He then says multiple is not directly supported but achieved through interfaces (correct).

When asked to explain why multi-level is not supported he gave some random explanation which is not correct.

Exception Handling:

Exception Handling has 3 blocks, Try catch and finally. Correct.

Can you have nested try blocks? Explain with example.

Yes. Explained correctly with example.

Can you have multiple try blocks and one catch block ?

No. Every try block should have a catch block but can have multiple catch blocks. (correct)

How can you handle exceptions in finally block?

Using classes(Wrong).

Practical question about execution flow. Correct.

Logical:

Asked to write logic for printing string such that each character comes to last in each iteration?

Wrote incomplete logic and we had to tell him what is missing in the program.

13th Jan 2015: Interview

Bittu Kumar Singh: Average

Shortlisted: NO

Communication: Able to communicate but had few grammatical mistakes.

General: Completed BE in 2015 from Electronic stream. He attended L&T (rejected in Group Discussion) and TCS (couldn't clear Written test) interviews on campus. He is going for Java training from past 2 months.

Technical:

Why Java is independent of platform?

Compiler creates .class file which can be run on different platforms (OS) (correct).

Why Java is Robust?

Because it is encapsulated no one can extract data from it (irrelevant answer).

What are Object Oriented Principles?

Polymorphism, Encapsulation, Inheritance and Abstraction (correct).

What is Encapsulation?

Writing everything in class like data, methods etc (correct).

We need to write everything in class for security reason (wrong).

Constructor?

It comes in picture when we create object. It is executed implicitly by JVM. Even if we don't write constructor JVM provide the default one. (correct)

Why we need constructor?

Don't know.

Access Specifiers?

Private: Within the same class

Public: Accessible anywhere

Protected: Within package and sub-classes of different package

Default: within the package

All correct

Static and Non-Static:

Static: It has a common memory which is shared and can be modified from anywhere (partially correct).

Non-Static: It has specific memory for which we create object reference (not framed properly).

What is Object? Why we need it?

It is real world entity. These are required to access non-static variables and methods (correct).

Can we access static methods and variables using an Object?

Yes we can (correct).

What is overloading?

Same method name with different parameters (correct).

What is overriding?

Method name and parameters are same but implementation should differ (correct).

What is Inheritance?

Modifying something from current level to another level. It inherits properties from parent class to child class. (correct)

Types of Inheritance?

Multi-level, single, Hybrid, Multiple (not supported in JAVA but can be achieved through Interfaces). (correct)

Why Multiple inheritance is not supported?

We cannot have more than one parent for a sub class. But don't know what is the actual problem if we have more than two parents.

Interfaces?

We have private variables(wrong) and public abstract classes (wrong).

Can we implement multiple interface in single interface?

Yes (wrong, we cannot implement an interface in another interface).

Exception Handling:

It is type of error which comes on Run time. If not handled program will terminate abnormally. We use try-catch block to handle the exception. The statements which are doubtful we put those in try block which will be handled by catch block (correct).

If there is no exception will catch block execute?

No

How to make sure that some set of statements are executed no matter exception are raised or not?

Using the finally block.

Can we have nested try blocks?

Yes we can have (doubtful)

What if exception is raised in finally block?

We can write try-catch block in finally then (correct).

Can we have 2 try and one catch?

We should have one catch for one try (correct).

Logical:

Asked him to write reverse of given number? Solved the logic.

Asked to write the logic for finding second largest number from array? Couldn't write the logic.

Asked to Print the given string such that first character is printed last in each iteration? Couldn't solve the logic.

Overall: Strong in theoretical but couldn't write programs. Hence rejecting.

18th Jan 2016: Interviews

Mounika Vangala: Very Bad

Bhargavi Ale: Bad

Malladi Venkata Naga Kiranmai: Average (selected)

18th Jan 2016: Interviews

Kavya Shyamala: Bad

Pradeep Kumar Baratam: Bad

21st Jan 2016

Eswara Satyanarayana Jami: Good but rejected due to communication issue

Harish Yelogandula: Bad

Venkateswaran Balaji: Bad

27th Jan 2016

Suman Raj Gaddam: Bad

chandra babu boyilla: Very Bad

29th Jan 2016

Sachin Jawalkar: Below Average

Harish Pulipati: Bad

Sreeram Geethanath: Very Poor

1st Feb 2016

Naresh Kumar Javalkar: Bad

3rd Feb 2016

Shravya Sure: Below average

8th Feb 2016

Gouthami Bhandekar: Very Bad

Mamatha Duddella: Bad

12th Feb 2016:

Divyasri Katram: Very Bad (3, 3, 5, 2, NA, NA)

Shortlisted: NO

Communication: She was able to communicate well.

General: Completed BTech in 2015 from CSE stream. She currently works with Convergys but her last working day is 19th Feb 2016. Company lost the project and laying off employees and is the reason behind looking for new job.

Technical:

Why JAVA is independent of platform?

It is because of the byte code. When we compile a program it'll be converted to byte code which can be understood by any machine (correct).

Difference b/w compiler and interpreter?

Compiler compiles the complete code line by line and interpreter compiles one line at a time (correct).

Name of the compiler that JAVA uses? Don't know.

What are constructors and their uses?

It is like a method which gets called when object of a class is created (correct).

When no constructor is declared compiler provides the default constructor (wrong, JVM provides the default constructor).

Types:

Default: No parameters

Parameterized: Can pass parameters

What is overloading?

Constructor overloading is not possible in JAVA (wrong).

Overloading means extending feature and parameters (wrong).

In overloading multiple method can have same name but with different parameter (correct).

We can achieve overloading through extending the class (wrong).

What is inheritance?

Retrieving data from super class using extends to the child class (correct).

Why we use inheritance?

To save memory and decrease the number of lines of code (correct).

Types:

One to One

One to Many (completely wrong)

Multi - Level

One to One: Only one parent and one child class is present.

One to Many: Only one parent class but multiple child class are there (wrong, there is no such concept of one to one and one to many).

What is interface?

It is blue print of class and used for abstraction (wrong).

It contains only methods which will be implemented by some other class (wrong, it may contain final static variables too).

How many methods can interface have?

1 or more but when asked what is the upper limit she said she never see multiple methods of an interface (wrong, interface can contain any number of methods).

Overall: Very poor in basics. Hence rejecting.

Venkatesh Elisetty: Bad

15th Feb 2016:

Hareesh Simma: Very Bad

Bharath Rajagiri: Very Bad

18th Feb 2016

Rashmi bharti: Good

Screening Questions

Wednesday, September 23, 2015 9:30 PM

Interview question paper

<http://javahungry.blogspot.com/2013/09/core-java-coding-programming-questions-answers-technical-interview-java.html>

1. What is the base class of all classes?

`java.lang.Object`

2. Should a `main()` method be compulsorily declared in all java classes?

No not required. `main()` method should be defined only if the source class is a java application.

3. Can a `main()` method be overloaded?

Yes. You can have any number of `main()` methods with different method signature and implementation in the class.

4. Can a `main()` method be declared final?

Yes. Any inheriting class will not be able to have it's own default `main()` method.

5. Which package is imported by default?

`java.lang` package is imported by default even without a package declaration.

6. What is RDBMS?

Relational Database Management Systems

1. Using up to four characters, write the Java representation of octal literal 6.

- (A) 06
- (B) 006
- (C) 0006
- (D) all of above

Answer : all of above

2. What happens when the following code is compiled and run. Select the one correct answer.

```
for(int i = 1; i < 3; i++)  
    for(int j = 3; j >= 1; j--)  
        assert i!=j : i;
```

- (A) The class compiles and runs, but does not print anything.
- (B) The number 1 gets printed with AssertionError
- (C) The number 2 gets printed with AssertionError
- (D) The number 3 gets printed with AssertionError

Answer : The number 1 gets printed with AssertionError

Description : When i and j are both 1, assert condition is false, and AssertionError gets generated.

**3. `int index = 1;`
`Boolean [] test = new Boolean[3];`
`Boolean data = test[index];`
What is the result?**

- (A) data has the value of true
- (B) The code will not compile.

- (C) data has the value of false
- (D) data has the value of null

Answer : data has the value of false

4. Which of the following are valid declarations for the main method. Select the three correct answers.
- a. public static void main(String args[]);
 - b. public static void main(String []args);
 - c. final static public void main (String args[]);
 - d. public static int main(String args[]);
 - e. public static abstract void main(String args[]);

- (A) a, b, c
- (B) b, d, e
- (C) a, d, c
- (D) a, b, e

Answer : a, b, c

5. Which of the following statements is true?

- (A) An exception can be thrown by throw keyword explicitly.
- (B) An exception can be thrown by throws keyword explicitly.

Answer : An exception can be thrown by throw keyword explicitly.

6. What is the result of compiling and running the following program. Select the one correct answer.

```
class test
{
    public static void main(String args[])
    {
        int[] arr = {1,2,3,4};
        call_array(arr[0], arr);
        System.out.println(arr[0] + "," + arr[1]);
    }
    static void call_array(int i, int arr[])
    {
        arr[i] = 6;
        i = 5;
    }
}
```

- (A) 1,2
- (B) 5,2
- (C) 1,6
- (D) 5,6

Answer : 1,6

Description : In the invocation of call_array, the first element is invoked using call-by-value, and the second using call-by-reference.

7. Which of the following is correct? Select the two correct answers.
- a. The native keyword indicates that the method is implemented in another language like C/C++.
 - b. The only statements that can appear before an import statement in a Java file are comments.
 - c. The method definitions inside interfaces are public and abstract. They cannot be private or protected.
 - d. A class constructor may have public or protected keyword before them, nothing else.

- (A) a, b
- (B) a, c
- (C) b, c
- (D) c, d

Description : Please note that b is not correct. A package statement may appear before an import statement. A class constructor may be declared private also. Hence d is incorrect.

8. What gets printed when the following program is compiled and run? Select the one correct answer.

```
class test {  
    public static void main(String args[]) {  
        int i;  
        do {  
            i++;  
        }  
        while(i < 0);  
        System.out.println(i);  
    }  
}
```

- (A) The program does not compile as i is not initialized.
- (B) The program compiles but does not run.
- (C) The program compiles and runs but does not print anything.
- (D) The program prints 0.

Answer : The program does not compile as i is not initialized.

Description : Local variables are not initialized by default. They must be initialized before they are used.

9. What happens when the following program is compiled and run. Select the one correct answer.

```
public class example  
{  
    int i[] = {0};  
    public static void main(String args[])  
{  
        int i[] = {1};  
        change_i(i);  
        System.out.println(i[0]);  
    }  
    public static void change_i(int i[])  
{
```

```

        i[0] = 2;
        i[0] *= 2;
    }
}

```

- (A) The program prints 0
- (B) The program prints 1.
- (C) The program prints 2
- (D) The program prints 4.

Answer : The program prints 4.

10. What is the result of compiling and running the following program. Select the one correct answer.

```

class test {
    public static void main(String args[]) {
        int i,j=0;
        for(i=10;i<0;i--) {
            j++;
        }

        switch(j) {
            case (0) :
                j=j+1;
            case(1):
                j=j+2;
                break;
            case (2) :
                j=j+3;
                break;
            case (10) :
                j=j+10;
                break;
            default :
                break;
        }

        System.out.println(j);
    }
}

```

- (A) 1
- (B) 2
- (C) 0
- (D) 3

Answer : 3

Description : The for loop does not get executed even once as the condition ($i < 0$) fails in the first iteration. In the switch statement, the statement $j = j + 1$; gets executed, setting j to 1. As there is no break after this case, the next statement also gets executed setting j to 3.

Java - Campus hire part 2

Friday, January 06, 2017 11:49 PM

Ques 1 : Select the one correct answer. The number of characters in an object of a class String is given by

- (A) The member variable called size
- (B) The member variable called length
- (C) The method size() returns the number of characters.
- (D) The method length() returns the number of characters.**

Ques 2 : Which of these are core interfaces in the collection framework. Select the one correct answer.

- (A) Tree
- (B) Array
- (C) LinkedList
- (D) Map**

Ques 3 : What will be the output of the program?

```
public class Foo
{
    public static void main(String[] args)
    {
        try
        {
            return;
        }
        finally
        {
            System.out.println( "Finally" );
        }
    }
}
```

- (A) Finally**
- (B) Compilation fails
- (C) The code runs with no output.
- (D) An exception is thrown at runtime.

Description :

If you put a finally block after a try and its associated catch blocks, then once execution enters the try block, the code in that finally block will definitely be executed except in the following circumstances:

An exception arising in the finally block itself.

The death of the thread.

The use of System.exit()

Turning off the power to the CPU.

I suppose the last three could be classified as VM shutdown.

Ques 4 : What would be the result?

```
class test
{
```

```

public static void main(String[] args)
{
    Date d = new Date(2011343412345L);
    DateFormat df = new DateFormat();
    System.out.println(df.format(d));
}
}

```

- (A) An exception is thrown at runtime.
- (B) 2011343412345L
- (C) 26 Sep, 2033
- (D) A compile time error.**

Ques 5 : Which statement is true regarding the creation of default constructor?

- (A) The default constructor initializes local variables.
- (B) The default constructor invokes the constructor of the superclass.
- (C) The default constructor initializes the instance variables declared in the class.**
- (D) When class has only constructor with parameter, the compiler creates a Default constructor

Ques 6 : Which statement about static inner class is true?

- (A) A static inner class does not require an instance of the enclosing class.**
- (B) A static inner class cannot be a static member of outer class.
- (C) It must extend enclosing class.
- (D) Its variables and methods must be static.

Ques 7 : Which of the following are correct. Select the one correct answer.

- (A) An import statement, if defined, must always be the first non-comment statement of the file.
- (B) private members are accessible to all classes in the same package.
- (C) An abstract class can be declared as final.
- (D) Local variables cannot be declared as static.**

Ques 8 : Which statement is true?

```

public void test(int x)
{
    int odd = 1;
    if(odd) /* Line 4 */
    {
        System.out.println("odd");
    }
    else
    {
        System.out.println("even");
    }
}

```

- (A) "odd" will always be output.
- (B) "even" will always be output.
- (C) Compilation fails.**
- (D) "odd" will be output for odd values of x, and "even" for even values.

Description : The compiler will complain because of incompatible types (line 4), the if expects a boolean but it

gets an integer.

Ques 9 : Select the one correct answer. Which method defined in Integer class can be used to convert an Integer object to primitive int type.

- (A) valueOf
- (B) intValue**
- (C) getInt
- (D) getInteger

Ques 10 : What would be the output?

```
class Test
{
    public static void main(String [] args) throws Exception
    {
        Vector data = new Vector();
        data.add("apple");
        data.add("mango");
        data.add("papaya");
        data.add("cherry");
        data.add("banana");
        data.add("apple");
        System.out.println(getData(data));
    }
    public static Vector getData(Vector v)
    {
        return new Vector(new HashSet(v));
    }
}
```

- (A) Compile Error
- (B) [banana, cherry, papaya, apple, apple]
- (C) [banana, cherry, papaya, apple, mango]**
- (D) [banana, cherry, papaya, apple, apple, mango]

Ques 11 : Which code determines the int value data closer to, but not greater than, a double value b?

- (A) Int data = (int) Math.floor(b);**
- (B) Int data = (int) Math.abs(b);
- (C) Int data = (int) Math.ceil(b);
- (D) Int data = (int) Math.min(b);

Ques 12 : What is the result?

```
public Class Test implements Runnable
{
    public void run(Thread t)
    {
        System.out.println("Running...");
    }
    public static void main(String [] args)
    {
        new thread(new Test()).start();
    }
}
```

```
}  
}
```

(A) Exception is thrown.

(B) Running... will be printed

(C) Compile error.

(D) Program exists without printing anything.

Ques 13 : What will be the output of the program?

```
public class X  
{  
    public static void main(String [] args)  
    {  
        try  
        {  
            badMethod();  
            System.out.print("A");  
        }  
        catch (RuntimeException ex) /* Line 10 */  
        {  
            System.out.print("B");  
        }  
        catch (Exception ex1)  
        {  
            System.out.print("C");  
        }  
        finally  
        {  
            System.out.print("D");  
        }  
        System.out.print("E");  
    }  
    public static void badMethod()  
    {  
        throw new RuntimeException();  
    }  
}
```

(A) BD

(B) BCD

(C) B

(D) BDE

Description : A Run time exception is thrown and caught in the catch statement on line 10. All the code after the finally statement is run because the exception has been caught.

Ques 14 : Which cannot directly cause a thread to stop executing?

(A) Calling the notify method on an object.

(B) Calling the start method on another Thread object.

(C) Calling a yield method.

(D) Calling wait method on an object.

Ques 15 : Which statement is true for the Class java.util.HashSet?

(A) The elements in the collection are unique.

(B) The collection is guaranteed to be immutable

(C) The elements in the collection are ordered.

(D) The elements in the collection are synchronized.

Ques 16 : What will be the output of the program?

```
public class X
{
    public static void main(String [] args)
    {
        try
        {
            badMethod();
            System.out.print("A");
        }
        catch (Exception ex)
        {
            System.out.print("B");
        }
        finally
        {
            System.out.print("C");
        }
        System.out.print("D");
    }
    public static void badMethod()
    {
        throw new Error(); /* Line 22 */
    }
}
```

(A) BC is printed before exiting with an error

(B) Compilation fails.

(C) ABCD

(D) C is printed before exiting with an error message.

Description :Error is thrown but not recognised line(22) because the only catch attempts to catch an Exception and Exception is not a superclass of Error. Therefore only the code in the finally statement can be run before exiting with a runtime error (Exception in thread "main" java.lang.Error).

Ques 17 : What is valid returnType for getData?

```
public Class returnData
{
    <returnType> getData(byte a, double z)
    {
        Rreturn (short)a/z * 10;
    }
}
```


- (A) Short
- (B) Byte
- (C) Int
- (D) Double**

Ques 18 : What is the result?

```
int index = 1;  
Boolean [] test = new Boolean[3];  
Boolean data = test[index];
```

- (A) data has the value of true
- (B) The code will not compile.
- (C) data has the value of false**
- (D) data has the value of null

Ques 19 : What will be the output of the program?

```
class Exc0 extends Exception { }  
class Exc1 extends Exc0 { } /* Line 2 */  
public class Test  
{  
    public static void main(String args[])  
    {  
        try  
        {  
            throw new Exc1(); /* Line 9 */  
        }  
        catch (Exc0 e0) /* Line 11 */  
        {  
            System.out.println("Ex0 caught");  
        }  
        catch (Exception e)  
        {  
            System.out.println("exception caught");  
        }  
    }  
}
```

- (A) Ex0 caught**
- (B) exception caught
- (C) Compilation fails because of an error at line 2.
- (D) Compilation fails because of an error at line 9.

Description : An exception Exc1 is thrown and is caught by the catch statement on line 11. The code is executed in this block. There is no finally block of code to execute.

Ques 1 : What is the name of the Collection interface used to represent elements in a sequence (in a particular order). Select the one correct answer.

- (A) Collection
- (B) Set
- (C) List**
- (D) Map

Ques 2 : Which of these classes implement the Collection interface SortedMap. Select the one correct answers.

- (A) TreeMap**
- (B) HashMap
- (C) Hashtable
- (D) HashSet

Ques 3 : Which statement is true?

- (A) ArrayList is a sub class of Vector
- (B) HashTable is a sub class of Dictionary**
- (C) LinkedList is a subclass of ArrayList
- (D) Vector is a subclass of Stack

Ques 4 : What happens when the following program is compiled and run. Select the one correct answer.

```
public class example
{
    int i[] = {0};
    public static void main(String args[])
    {
        int i[] = {1};
        change_i(i);
        System.out.println(i[0]);
    }
    public static void change_i(int i[])
    {
        int j[] = {2};
        i = j;
    }
}
```

- (A) The program prints 0.
- (B) The program prints 2.
- (C) The program prints 1.**
- (D) The program prints 4.

Ques 5 : Which all lines are part of the output when the following code is compiled and run. Select the three correct answers.

```
public class test
{
    public static void main(String args[])
    {
        outer :
```

```

for(int i = 0; i < 3; i++)
{
    for(int j = 3; j >= 0; j--)
    {
        if(i == j) break outer;
        System.out.println(i + " " + j);
    }
}
}
}
}
}

```

- a. 0 0
- b. 0 1
- c. 0 2
- d. 0 3
- e. 1 0

- (A) a, b, c
- (B) b, c, d**
- (C) c, e, a
- (D) b, d, e

Ques 6 : Which of these statements is true?

- (A) AbstractSet extends Set
- (B) LinkedList extends List
- (C) HashSet extends AbstractSet**
- (D) WeakHashMap extends HashMap

Ques 7 : Which of the following are true about interfaces. Select the two correct answers.

- a. Methods declared in interfaces are implicitly private.
- b. Variables declared in interfaces are implicitly public, static, and final.
- c. An interface can extend any number of interfaces.
- d. The keyword implements indicate that an interface inherits from another.

- (A) a, b
- (B) c, d
- (C) b, d
- (D) b, c**

Ques 8 : Assume that class A extends class B, which extends class C. Also all the three classes implement the method test(). How can a method in a class A invoke the test() method defined in class C (without creating a new instance of class C). Select the one correct answer.

- (A) test();
- (B) super.test();
- (C) C.test();
- (D) It is not possible to invoke test() method defined in C from a method in A.**

Ques 9 : By which class we can read object from stream?

- (A) Reader
- (B) ObjectInputStream**
- (C) ObjectReader

(D) File

Ques 10 : By using which modifier we can prevent from overridden?

(A) final

(B) static

(C) we cant prevent

(D) by default it provides

Ques 11 : Which are true in case of interface?

(A) we can create object implementation to an interface

(B) all type of modifiers are allowed to an interface

(C) we instantiate an interface directly

(D) we can mark interface as final

Ques 12 : What gets written on the screen when the following program is compiled and run.
Select the one right answer.

```
public class test {  
    public static void main(String args[]) {  
        int i;  
        float f = 2.3f;  
        double d = 2.7;  
        i = ((int)Math.ceil(f)) * ((int)Math.round(d));  
  
        System.out.println(i);  
    }  
}
```

(A) 4

(B) 5

(C) 6

(D) 9

Ques 13 : Which of these statements are true. Select the two correct answers.

a. For each try block there must be at least one catch block defined.

b. A try block may be followed by any number of finally blocks.

c. A try block must be followed by at least one finally or catch block.

d. If both catch and finally blocks are defined, catch block must precede the finally block.

(A) a, b

(B) c, d

(C) b, d

(D) a, c

Ques 14 : What is the result of compiling and running the following program.

```
public class test {  
    public static void main(String args[]) {  
        String str1="abc";  
        String str2="def";  
        String str3=str1.concat(str2);  
        str1.concat(str2);  
        System.out.println(str1);  
    }  
}
```

```
}  
}
```

(A) def

(B) abc

(C) abcabc

(D) abcdef

Ques 15 : What are the things we have to follow while creating annotations?

(A) methods must not have any throws clauses

(B) methods must not have any parameters

(C) method should return any one of primitive data types

(D) All the above

Ques 16 : Why we use @Override annotation?

(A) To check whether the subclass method is overrides from the superclass or not

(B) To say to the compiler not to execute this override method.

(C) To say to compiler that this method is deprecated

(D) None of the above

Ques 17 : When we go for thread synchronization?

(A) to remove the lock on the thread

(B) when there is a single thread

(C) to make a thread in sleep mode

(D) when we want to prevent any other multiple thread to act an same object

Ques 18 : Why @SupressWarning Annotation is used?

(A) To suppress exception issued by compiler

(B) To show warnings

(C) To show exceptions

(D) To suppress exception issued by compiler

Ques 19 : What happens if sleep() and wait() executes in synchronized block?

(A) The object still under lock in both the cases

(B) sleep() the lock is removed ,wait() still under lock

(C) sleep() still under lock ,wait() the lock is removed

(D) Sleep() and wait(),for both the method lock is removed

Ques 20 : Which are true among below cases?

(A) If programmer want to use several threads then he have to use StringBuffer

(B) StringBuffer Class is synchronized and StringBuilder is not synchronized

(C) String class is immutable, StringBuffer and StringBuilder are mutable

(D) All the above

Possible Telephonic Interview Questions

Saturday, October 17, 2015 1:41 AM

Possible telephonic questions for experience candidate:

1. How to maximize window using selenium 2.0?
Ans: `driver.manage().window().maximize();`
2. Which web driver implementations is fastest and why?
Ans: `HTMLUnitDriver` because it does not execute test on browser but plain http request.
3. Can tests recorded using selenium IDE be run in other browsers?
Ans: Yes, with the use of Selenium RC.
4. What test can Selenium do?
Ans: Functional testing , web based testing and agile testing.
5. Which method waits for the web page to load before continuing? `Get()` or `Navigate()`
Ans: `Get` method
6. How to handle Ajax popup window?
Ans: Using `getWindowHandles()` and `obj.switchTo.window(windowid)` methods.
7. What is the difference between `driver.close()` and `driver.quit()` method?
Ans: **Close()** - It is used to close the browser or page currently which is having the focus.
Quit(): It is used to shut down the web driver instance or destroy the web driver instance (close all the windows).
8. Is it possible to write **Try-Catch** block inside **finally** block?
Ans: Yes
9. Can we declare class as **Abstract** without having any **Abstract Methods** in it?
Ans: Yes
10. Can abstract class have **Constructor** in JAVA?
Ans: Yes.
11. Difference between checked and unchecked exception in Java?
Ans: Former is checked by compiler and it's handling is enforced by mandating try-catch or try-finally block. Later is not checked by compiler but can be caught using try-catch or try-finally block.
12. What is the difference between **PATH** and **CLASSPATH** in JAVA?
Ans: **PATH** is an environment variable which points to **Java binary** which is used to run Java programs.
CLASSPATH is another environment variable which **points to Java class files or JAR files**. If a class is not found in CLASSPATH then Java throws `ClassNotFoundException`.
13. When to use **Throw, Throws**?
Ans: **Throw**: Used to explicitly throw exceptions.
Throws: Used when you are not willing to handle exceptions.

Interview question paper for experienced candidate:

1. Explain what is assertion in Selenium and what are the types of assertion?

Assertion is used as a verification point. It verifies that the state of the application conforms to what is expected. **The types of assertion are "assert", "verify" and "waitFor".**

- a. **Verifies the state of application. Types: assert, verify and waitFor**
- b. Do not verify the state of application. Types: assert and verify.
- c. Verify the state of application. Types: assert and waitFor
- d. Verifies state of application. Types: assert, verify and waitFor.

2. While using click command can you use screen coordinate?

To click on specific part of element, you would need to use clickAT command. ClickAt command accepts element locator and x, y co-ordinates as arguments-

clickAt (locator, cordString)

ShortAnswer: Yes, we can but using clickAt() function rather click() function.

- a. Yes, using the click() function
- b. Yes, using clickAt(x-coordinate, y-coordinate) function
- c. **Yes, using the clickAt(locator, coordinateString) function**
- d. Yes, using click(x-coordinate, y-coordinate) function

3. What are the four parameter you have to pass in Selenium?

Four parameters that you have to pass in Selenium are

- o Host
 - o Port Number
 - o Browser
 - o URL
-
- a. Host, Port Number, IP Address of Machine and Browser
 - b. **Host, Port Number, Browser and URL**
 - c. Host, Browser, URL and Browser Configuration

4. What is the difference between setSpeed() and sleep() methods?

Both will delay the speed of execution.

Thread.sleep () : It will stop the current (java) thread for the specified period of time. Its done only once

- o It takes a single argument in integer format
Ex: thread.sleep(2000)- It will wait for 2 seconds
- o It waits only once at the command given at sleep

SetSpeed () : For specific amount of time it will stop the execution for every selenium command.

- o It takes a single argument in integer format
Ex: selenium.setSpeed("2000")- It will wait for 2 seconds
 - o Runs each command after setSpeed delay by the number of milliseconds mentioned in set Speed
 - o This command is useful for demonstration purpose or if you are using a slow web application.
-
- a. setSpeed() speed the execution process, sleep() used to delay execution process
 - b. setSpeed() halt the execution only once, sleep() halt the execution for every selenium command
 - c. **setSpeed() halt the execution for every selenium command, sleep() halt the execution only once**
 - d. No difference

5. Mention what is the difference between Implicit wait and Explicit wait?

Implicit Wait: Sets a timeout for all successive Web Element searches. For the specified amount of time it will try looking for element again and again before throwing a NoSuchElementException. It waits for elements to show up.

Explicit Wait : It is a one-timer, used for a particular search.

- a. **Implicit wait sets timeout for all successive web elements, Explicit wait sets timeout for specified element**
- b. Implicit wait halts execution until element is found, Explicit wait halts execution for specified time period and then continue execution
- c. **Implicit wait waits for element to be available, Explicit wait waits for the given condition**

to be true

Select the correct answers:

- i. Only a
- ii. Only b
- iii. a, b, c
- iv. **a and c**

6. Can you tell me the syntax to open/launch IE browser In WebDriver software testing tool?

WebDriver driver = new InternetExplorerDriver()

- a. WebDriver driver = new IEServerDriver()
- b. InternetExplorer driver = new InternetExplorerDriver()
- c. **WebDriver driver = new InternetExplorerDriver()**
- d. WebDriver driver = new WebDriver(InternetExplorerDriver)

7. Can you tell me syntax to set browser window size to 800(Width) X 600(Height)?

driver.manage().window().setSize(new Dimension(800, 600));

- a. driver.window().setSize(new Dimension(800, 600));
- b. **driver.manage().window().setSize(new Dimension(800, 600));**
- c. driver.setSize(new Dimension(800, 600));
- d. driver.manage().setSize(new Dimension(800, 600));

8. What Is the syntax to type value In prompt dialog box's Input field using selenium WebDriver?

driver.switchTo().alert().sendKeys();

- a. **driver.switchTo().alert().sendKeys();**
- b. driver.alert().sendKeys();
- c. driver.switchTo().alert().keys();
- d. driver.switchTo().alert().sendText();

9. Give me WebDriver's API name using which we can perform drag and drop operation.

Advanced User Interactions API

- a. Actions API
- b. Components API
- c. **Advanced User Interactions API**
- d. WebDriver API

10. Which attribute is used to get text from input box?

Value

- a. Text
- b. **Value**
- c. Data
- d. None of the Above

11. Tell me looks like XPath of sibling Input element which Is after Div in the DOM.

//div/following-sibling::input

- a. //div/preceding-sibling::input
- b. //div//following-sibling::input
- c. //div/following-sibling::*//input
- d. **//div/following-sibling::input**

12. Tell me looks like CSSSelector path of sibling Input element which Is after Div in the DOM.

css = div + input

- a. **css = div + input**
- b. css = div - input
- c. css = div . Input
- d. css = div [input]



- a. **css = div + input**
- b. css = div - input
- c. css = div . Input
- d. css = div [input]



InterviewW
rittenTest...

Campus Hiring

Thursday, March 09, 2017 9:53 AM

MVSR Engineering College

Thursday, March 09, 2017 9:53 AM

- Deloitte, Cognizant, TCS, Accenture, AMD (R&D), Hyundai, CGK Tech, Hitachi, Hexagon, Genpact are some companies visited.

Technical Interviews

Friday, March 10, 2017 10:10 AM

Bhavana:

- Not interested in Maths and physics.
- Had a backlog in Mechanics and hence could not attend any other interviews.
- Interested in C, DBMS.
- Worked mostly on languages/tools like MAtLab, JDBC, Databases.
- **Technical**
 - C derived from B.
 - Combination of High (machine language) and low (our language) level language.
 - It is also a structured language.
 - Where C language is used?
 - Don't know.
 - Why C first?
 - It is basic language.
 - C++ is more preferred than Java and C but don't know why.
 - C is used in Unix OS.
 - Building blocks of C?
 - Forgot
 - Declaring variable compulsory before using.
 - Have to declare function before main in order to use it (correct).
 - What are structures?
 - It is complex data type.
 - Result in physical representation of variables.
 - Many variables can be brought into single part.
 - What is pointer?
 - Variable which carries the address of another variable.
 - Why pointers not used in other languages?
 - Don't know.
 - Difference b/w malloc and calloc?
 - Don't know.
 - How much space structure take?
 - 4 bytes (wrong).
 - Don't know about unions.
 - What is ACID properties?
 - Don't know.
 - Normalization in databases?
 - Don't know.

Sai Prateek:

- **Objective:**
 - Interested in Senior management in organization.
- Any interviews so far?
 - Accenture, Infosys, Cognizant and Zensar.
 - Zensar - Rejected in final round.
 - Accenture - HR interview rejected.
 - Infosys - Technical Round Rejected.
 - Cognizant - Technical Round Rejected.
- Why selected IT as field?
 - Interested in creating coding. Specially in Android.

- Developed application which shows all subjects for a particular branch for 4 years of engineering.
- Currently doing hardware project at RCI (Research Center Imaarat, near balapur).
 - Pulse Code Modulation is a device which is used to save data.
 - C language is used to access data from the device.
 - His Role - Working on developing a webpage.
 - Just for developing webpage it'll take 2 months.
 - Comfortable with C and C++.
 - Difference b/w C and C++.
 - C - Does not follow OOPs; C++ - Supports OOPs.
 - C - No error handling mechanism; C++ - Supports error handling
 - C - Top down approach; C++ - Bottom up approach
 - We should be creating our own error handling mechanism in C.
 - What is Bottom up approach?
 - No Answer.
 - Exception Handling
 - What is Exception handling?
 - Run time errors are exceptions.
 - Ex: 1/0 exception, Ram Memory Full Exception etc.
 - How exception handling is done in C++?
 - Couldn't explain.
 - What are Structure in C?
 - It is also data type where you can store multiple data type.
 - How to create Structures? Able to explain.
 - How memory is allocated?
 - Depends on the number of data types under structure.
 - What are Unions?
 - Special type of data types.
 - Difference b/w Structure and Unions is Union take memory according to largest data type under it.
 - Difference b/w malloc and calloc?
 - Don't know.
 - What are pointers?
 - Stores the address of another variables.
 - To access information readily we use pointers.
 - Java does not have pointers due to security reasons.
 - What is auto in C?
 - Default storage classes.
 - Can we write switch without default?
 - We cannot. We need to have default case compulsory.
 - What are OOP concepts?
 - Class - Blue print, Object, Polymorphism, Inheritance, Encapsulation.
 - What is encapsulation?
 - No clarity.
 - What are constructors used for?
 - To declare local variables. If variables are assigned values directly it'll throw errors.
 - Return type of constructor?
 - Void. Why? No answer.
 - Is it compulsory to have Constructor?
 - Yes, if variables are declared.
 - To define functions we don't need it.
 - Can we have private constructor?
 - We don't use access specifiers in Constructors.

- What is Polymorphism?
 - Working on entity in multiple form.
 - Ex: Method overloading.
- Method overriding?
 - We can define methods in different way in sub-class.
- Dynamic method overriding?
 - Don't know.
- Logical:
 - Sum of two integer from array to equal a given number?
 - Wrong logic. Hurry in submitting code.
 - Asked to write logic for Fibonacci series?
 - Forgot the logic as it was in first year.

Mahendar:

- Interviews attended?
 - Accenture - Offer exists.
 - Cognizant - Rejected as Technical was more towards Physics.
- Want to work here as personal growth seems to be good at FactSet.
- **Logical**
 - Able to solve logic to reverse number in sets from given array.
 - Able to solve logic to replace rows and columns to zero if given character matches the element from matrix.
- Is String a class or data type?
 - Class.
 - Is String mutable?
 - Not sure.
- Return type of Constructor?
 - No Return type. Why? Used for assigning instance variables.
- Can we assign value to variables without constructor?
 - Yes.
- Can we have private constructor?
 - No.
- What is Singleton class?
 - Don't know.
- Difference b/w throw and throws?
 - Don't know.
- Super class for all exceptions?
 - Exception (wrong, it is throwable).
- How to implement Threads?
 - Either implement Runnable or extending Thread class.
- What is Interface?
 - It contains defined methods in it.
 - Default type is Private.
- Categories of exception?
 - Don't know.
- Difference b/w outer and inner classes?
 - Inner class can call all the methods of outer class but inverse is not possible.
 - We cannot access inner class methods without creating object of the same.
- Use of static keyword?
 - Value remains constant even if program exits
 - Use of static methods?
 - They remain constant. Don't know about static variable.
- Can we have class as static?
 - No (wrong, we can have it for inner classes).

- Can we access static method with class object?
 - No (wrong, we can call).
- How to handle exceptions in java?
 - Try, catch.
 - Don't know much about exception handling.

Monica Shruti

- **Interviews?**
 - Didn't attend any due to one backlog.
- About FactSet?
 - Handle finance of other companies.
 - It's a finance search engine.
- About testing?
 - Types of testing?
 - White box and black box.
 - Smoke, integration, regression etc.
 - Unit Testing?
 - Takes small unit of program and checks for the bug.
 - Tester does unit testing. It is black box testing.
 - White box is testing internal structure of code and done by developer.
 - Grey box testing is combination for both Black box and White Box testing.
- Interested to know about hardware and software and thus selected IT as branch.
- Difference b/w C and Java?
 - C - Procedure oriented; Java - Object Oriented
 - C - Platform dependent; Java - Platform independent
 - C is basics of programming.
- What is platform dependency mean?
 - Dependent on OS.
 - Java creates intermediate code known as byte code which can be executed in any OS.
- What makes JAVA independent?
 - Byte code.
 - JVM generates Byte code.
- Components in JVM.
 - Class Loader
 - Memory (Heap, Stack, Class Area)
 - Executor
- What is JIT?
 - It is **Just In Time** compiler.
 - Used to create byte code from source code.
- Why we need to compile program?
 - To make it machine understandable.
- Exception Handling
 - Try, Catch, Finally and Throw are used to handle exceptions.
 - Is it compulsory to write catch block?
 - Yes, at least one.
 - Can we have multiple try and single catch?
 - No (Wrong)
 - Can we nest try block (yes).
 - We cannot have one catch for nested try block.
 - What is role of finally block?
 - Finally block is executed all the time even if there are exceptions (correct). Majorly used for clearing references and closing streams for better performance.

- Can we write try and catch within finally? (Yes)
- Constructors:
 - What is use of constructor?
 - It is method which is not initialized.
 - We need to extend class to instantiate constructor.
 - Is constructor necessary to declare?
 - No, default constructor comes into picture if not declared.
- Why we have **Static** keyword for main() method?
 - Static means, members of that class can be accessed in that class itself.
 - Private cannot be accessed by class members too.
- Logic:
 - Logic for Fibonacci Series: Could not write logic.
 - Find if sum of any two numbers from array equals given number: Poor logic

Sai Teja

- From ECE, did projects related to electronics.
- Interested in gaming.
- Want to head towards virtual reality.
- Interviews
 - Accenture - Placed.
 - Infosys - Placed
 - Ebutor - Placed
 - Cognizant - Didn't attend other rounds as he's not interested.
- Interested in QA?
 - 70%
 - Don't know how career grows in QA.
- What is Automation Testing?
 - Not sure but something like replacing human through automation.
- What type of language is C?
 - High level, structure programming.
- What are components of for loop?
 - Couldn't explain but wrote syntax for the same.
- What is Static Keyword?
 - Whole function remains same.
- Difference b/w malloc and calloc()? Don't know
- What are pointers in C?
 - Used the value of variable. Could not explain but knows how to declare pointers.
- How negative integers are stored in C?
 - Using **signed** bits
- Structure:
 - Used for heterogeneous data type declaration and memory locations.
- Union:
 - Saves memory space and faster than Structures.
- Is it necessary to declare function in C before using?
 - If we want to **Inherit** then we should (There is no inherit concept in C)
- What is recursion?
 - Using same loop repeated number of times.
- Logic:
 - Logic for Fibonacci series: Irrelevant logic

Prasanna

- Interviews:
 - Accenture - got offer
 - Cognizant - Didn't get offer as she select Accenture as her first choice.
- QA Automation Analyst roles?

- Analyzing data may be?
- Testing:
 - Different type of testing?
 - Black, White box testing.
 - Black box - On giving input verifying if desired output is met? (Not sure and answered wrong)
 - White Box - Don't know.
 - Automation Testing? Don't know. Neither she heard about it ever.
- What type of language is C?
 - Procedure oriented.
- Can we call function without creating class object in JAVA?
 - Yes we can, using static keyword.
- Is C low-level language?
 - Yes it is low-level language.
- Low-level language - Machine understandable language (wrong).
- High-level language - No answer.
- Where C language is used?
 - Used in daily activities like ATM machines.
- Features of C?
 - Procedure oriented
 - Program may have any number of functions.
 - Supports Pointers - but this is disadvantage as it raises security issues.
- Is C is platform dependent?
 - No answer.
- Difference b/w C and C++?
 - C++ - Object Oriented, Inheritance involved, dynamic.
- Default access specifier in C++ for variables?
 - Public - Wrong.
- Type of Access Specifier in C++ - Public, Private and Protected.
- Scope of Access Specifiers:
 - Partially correct answers.
- Use of static variable?
 - Can be used only in Static methods and cannot be modified.
- Static Block:
 - Executed before main method.
- Abstract class
 - What are abstract classes?
 - Collection of all abstract methods.
- What is interface?
 - Collection of member and abstract methods.
 - Abstract methods can be overridden by sub-classes.
 - Object is created for methods which overrides all the methods.
- Why interfaces are needed?
 - Because one class extend only one another class (not satisfactory answer).
- What is inheritance?
 - Types of inheritance: Single, Multiple, Hybrid, Hierarchical, Multi-level.
 - Java does not support multiple inheritance but don't know why.
- What is dynamic method overriding?
 - We can have same function name for different methods which have same type of arguments, same return type and same number of arguments (Partially correct) - Answer is not relevant though.
- Exception Handling:
 - How we handle exceptions?

- Using Try-Catch block.
 - What is checked and un-checked exceptions?
 - Checked Exceptions - raised during compile time.
 - Un-checked Exceptions - Raised during run time.
 - Multiple-try single catch? Possible - True
 - One try multiple catch? Possible - True
 - Can we execute code even if exception raised? Don't know.
- Logical:
 - Find if there is a pair exists where sum of two numbers from array equals the given number - Wrong logic
 - Find the given character in square matrix and make that Column and row zero.

Resume Screening

Wednesday, April 26, 2017 4:55 PM

26th April 2017

Jodha Singh: YES

- 6 month of experience in Protractor and related tools.

Sai Kiran Goud: NO

- Profile is profound for manual testing.
- Responsibilities are copy pasted for different projects.
- Completed education in 2011 but got job only in 2015.
- Summary says more about automation testing but the same doesn't match with responsibilities.

Mohan Gandhi: YES

- As per summary he got knowledge on selenium-webdriver, protractor and SQL queries.
- Roles and responsibilities talks more about manual testing.
- As he attended scrum meetings it will be advantage for agile projects.

Saranam Venkata Bhargav: Yes

- Knowledge on Selenium-Webdriver with Java and also used Appium.
- Roles and responsibilities are clearly mentioned unlike other profile where it seems to be copy pasted.
- Good to see list of POC's he did. Seems to be good innovator.

Ravi Kanike: No

- Roles and Responsibilities are more of manual tester.
- Used Selenium-IDE, Selenium RC which is rarely used tools.
- Involved in different types of testing but seems to have less exposure to automation testing.