* Tell me about yourself.
* Technologies used in previous projects.
* Diff. between REST vs. SOAP
* Do you know Spring MVC?
* What is anonymous class and Lambda expression?
* What is intrinsic lock and its types?
* what is autoClosable interface?
* What is try with resource?
* If we have inner class's. Does jvm creates .class file for inner class's during compilation?
* Which design patterns you know?
* If I have class A & class B in which I am injecting singleton reference & class A get garbage collected then what happened with class B which is using same singleton reference?
* What is mockito framework?
* Which best practices you follows while writing a code?
* What is call by value and call by reference in Java?
* Who is on top in Collection hierarchy?
* What are design principles.  Explain in short ?
* What are types of design pattern ?
* What is spring DI ?
* What is a container ?
* What is autowiring ?
* What is mokito ? (Most important question )
* One random problem statement for design pattern ?
* What is synchronised ?
* What are threads ?
* Type of synchronisations ?
* What is default ?
* Which exception will be caught in multiple try catch ?
* bit of multithreading concepts
* Knowledge of Thread class -
* When to use runnable and Thread class
* Immutable objects - String class
* Creating Own Immutable class - wrong reply - mutable fields need to know
* Are immutable objects thread safe -
* thread-safety -- needs more clearity
* do u always need synchronized for thread-safety
* how to make singleton class as thread safe -
* Executor framework - not worked
* Thread pool -
* how run() methods extends multiple tasks.

1)**What is spring security? How to implement it?**

=> Spring Security is a powerful and highly customizable authentication and access-control framework.Spring Security is a framework that focuses on providing both authentication and authorization to Java applications.

For Implementation refer ==> <http://www.journaldev.com/2736/spring-security-example-userdetailsservice>

2) **What is hibernate? What are the section of hibernate you worked?**

=> Hibernate ORM (Hibernate in short) is an object-relational mapping tool for the Java programming language. It provides a framework for mapping an object-oriented domain model to a relational database

3)How you will create tables when requirement is you are having multiple users & multiple roles? How to do define it in hibernate?

=> Many To Many association need to be used in hibernate.

4) **What collection you have used**?

=> HashMap, HashSet, ArrayList, Vector, LinkedHashMap…

5) **When to use List, Set & Map**?

=> List --> Want to represent indiviuals objects where duplicate are allowed and insertion order must be preserved,

then use List.

Set --> Want to represent indiviuals objects where duplicate are not allowed and insertion order not preserved,

then use Set.

Map => Want to represent group of individual object as key value pairs then should go for Map.

6) **How Set Collection take care whether element inserted are not duplicate**?

To avoid duplicate in set override equal() and hashcode() method in the object to which elements need to be inserted in the set.

7) **What are the mandatory method need to rbe take care while working with HashSet** ?

=> equal() and hashcode() method need to override.

8) **What is the significance of compareTo method in Collection**?

=>  it is used to implement natural sorting on java classes. natural sorting means the the sort order which naturally applies on object e.g. lexical order for String, numeric order for Integer or Sorting employee by their ID etc. most of the java core classes including String and Integer implements CompareTo() method and provide natural sorting.

9)**What are custom exceptions? Why we need to define? In which situation you will choose to create custom which are checked & create custom exception which are unchecked.**

=> Creating  our own Exception that is known as custom exception or user-defined exception. Java custom exceptions are used to customize the exception according to user need. By the help of custom exception, you can have your own exception and message.

Amol Londhey

1. Core Java
   1. What is difference between abstract class and interface
   2. When do we use abstract class and interface
   3. What are immutable classes
   4. Why we use private constructor in a class
2. Design Pattern
   1. Which design pattern have you implemented
   2. What was the scenario
   3. Apart from singleton and factory do you know any other design pattern
3. Spring and REST / SOAP
   1. What is DI and IOC
   2. Have you used SOAP or REST in project or you are aware of it.
4. What is Agile process

Round 2:

* What if the strength of team you have worked with in agile
* What if you have to interact with two different teams
* How will you estimate the time of a project (if it is new project)
* How will you test a coffee cup?

Database Questins:

* What is difference between Outer Join and inner Join
* What is Union
* What is intersection
* How will you manage transactions in db

Pawan Verma

1. Try Catch block update in java 7
2. Why spring is used.
3. Dependency Injection In spring.
4. What is Service Oriented Architecture. Where have you used it?
5. Difference between Soap and Rest.
6. How you have developed soap based web service.
7. How will you develop REST Web service.
8. When would prefer to use SOAP and REST.
9. Contract First and Service First approach.
10. How to manage DB transactions.
11. Difference between Struts 1 and Struts 2, reason for migration.
12. What was the type of service Synchronous/Asynchronous service that you have developed.
13. Have you used JMS?
14. How to implement spring transactions? What are possible approach?
15. How to create beans in spring.
16. What would you prefer to use spring.xml over annotations to create bean? What on should be used when?
17. What are the different components of WSDL?
18. Have you used any tool for code checking.
19. What have you used for story management? Tools/dashboard.
20. Load testing?
21. Have you worked on JSF, JavaScript, Jquery and Angular?

**Dimitri** question:

1. What is your goal?
2. What you want to achieve?
3. How will you test coffee cup?
4. What was your major responsibility and role in previous projects?
5. What was the team size in your projects.
6. How handle the backlog and how its prioritized.
7. How you will identify if  something broken on production server if you don’t have access to that machine.
8. How you keep yourself aware of latest version and update/ changes coming into technology.