

Interview 1:

- 1) Create a customized data structure which should be always in a sorted order and should allow frequent writes and deletions.
- 2) The above question led to the question of difference between Comparable and Comparator.
- 3) What is the need of Wrapper Classes in Java.
- 4) How do you create an Immutable class, Deep copy in case of class having mutable fields.
- 5) What are the different modules that you have explored in Spring. What is the benefit of using Spring.
- 6) What are the scopes available in Spring container.
- 7) If a class is created as Singleton and it needs to be auto wired and injected into some other bean which is registered in Spring xml. As the Singleton is already created and can't be instantiated normally by Spring. How can it be injected.
- 8) What is an ORM. What is the relationship between JPA and Hibernate.

Interview 2:

- 1) Given data in a table:

Column1	Column2	Column3
=====		
101	Name	Abc
101	Company	Sapient
101	Salary	10000
102	Name	Xyz
102	Company	Goldman Sachs
102	Salary	15000

And so on.

How can you transform this data into following manner?

101	Abc	Sapient	10000
102	Xyz	Goldman Sachs	15000

- 2) Some records were given in table and having date column. Write an SQL query to find the data on a particular given date. Small discussions on using to_char and to_Date functions.
- 3) Write an SQL query to update the salary of all individuals such that there is an increment of 1000 Rs. He was looking for all sorts of ways to do this apart from the simple update query.
- 4) How to write a Cursor. Do you see any performance issue with a Cursor. Have you worked on Sybase database.
- 5) A puzzle: You are given two ropes. Each of them take 60 minutes to burn. How would you measure 45 mins.

Interview 3:

- 1) How would you print A1 B1 A2 B2 A3 B3 and so on using two Threads.
- 2) Design LRU Cache.
- 3) How is jQuery, Knockout useful. (Were listed on my resume)
- 4) How do you package and execute a Jar file, what is Manifest file.