1. Introduce yourself
2. Experience in non relational Database?
3. Relational DB vs Non Relational DB
4. Importance of relational DB vs non relational DB
5. How indexes work in Database? How it's stored, data structure etc
6. Database triggers?
7. Design the tables and mention the relationship between the tables for a trade transaction of a customer. Customer should be able to see the different company trade he bought/sold on basis of trade date and settlement date.
8. Query performance: How would you debug the slowness of the query?
9. Coder pad: Find highest avg  
   **Find highest avg score.**

           String[][] scores = { { "Bunney", "81" }, { "Charles", "20" }, { "Remo", "87" }, { "Charles", "100" } };

           // Bunney - 81, Charles average is = 60, Remo = 87  
           //87 is the highest average score

           Scores can be positive/negative integer

          If you get non-integer(means decimal number) use Math floor function

Interview Questions

1. Tell me about you self? (5 min)
2. Algorithms – Convert String to integer without using pre define function. (follow-up questions – Can expect Decimal value this function) (30 min)
3. Database Design – Design a warehouse system (Chaining warehouse). That can store products with quantity. If product is shorted then can check no of quantity is available. And warehouse have a limited capacity/volume. (30 min)

1) how data store in DB ----which datastructure

2) different normaliation form

3) one log file was there need to get max frequency of ip address

(here log file contain many line and first element of that log file was ip)

4) convert string to  Integer by own function

Question 1.

\*\* Instructions to candidate.

\*\* 1) You are an avid rock collector who lives in southern California. Some rare

\*\* and desirable rocks just became available in New York, so you are planning

\*\* a cross-country road trip. There are several other rare rocks that you could

\*\* pick up along the way.

\*\*

\*\* You have been given a grid filled with numbers, representing the number of

\*\* rare rocks available in various cities across the country. Your objective

\*\* is to find the optimal path from So\_Cal to New\_York that would allow you to

\*\* accumulate the most rocks along the way.

\*\*

\*\* Note: You can only travel either north (up) or east (right).

\*\* 2) Consider adding some additional tests in doTestsPass().

\*\* 3) Implement optimalPath() correctly.

\*\* 4) Here is an example:

\*\* ^

\*\* {{0,0,0,0,5}, New\_York (finish) N

\*\* {0,1,1,1,0}, < W E >

\*\* So\_Cal (start) {2,0,0,1,0}} S

\*\* v

\*\* The total for this example would be 10 (2+0+1+1+1+0+5).

Question 2: -

// \* Instructions to candidate.

// \* 1) Run this code in the REPL to observe its behaviour. The

// \* execution entry point is main().

// \* 2) Find the median of the two sorted arrays.

// // int [] i = {1,3,5,7}

// // int[] j = {2,3,4,5}

// \*/