

Technical Interview - I.

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- ① About cdac project & B.E. project.
What was your role in project?
- ② Explain collection API. (They told me to write code of iteration)
Method overriding rule.
Upcasting & downcasting.
Difference between class, abstract class & interface.
- ③ Questions on joins.
What is stored procedure & stored function.
Difference between procedure & function.
What are indexes.

Technical Interview - II.

- ① About cdac project & B.E. project.
What was your role in project.
Based on your role they ask the questions.
- ② Questions ~~about~~ on the written test which was taken by them. in first round.
 - How you implement the logic.
 - Explain the logic which you used in the programs.
- ③ & some general things.

~~Technical Interview~~

H.R. Round

- ① Tell me about your self.
- ② What is your strength, weakness.
- ③ What you want to achieve in life.
- ④ About cdac project. (Flow of project).
- ⑤

Manager Round (Technical).

- ① Write a logic for reverse the array.
- ② Call by value, call by reference.
Write program for this.
- ③ Questions on Servlet.
 - Lifecycle of servlet.
 - Can we override ~~do~~ Service method?

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Round 1 — JOASH PEREIRA

WRITTEN TEST (90 mins)

- 1) WRITE A PROGRAM, IF IN AN $M \times N$ MATRIX ANY OF THE ELEMENT IS 0 (ZERO), THEN ITS ROW & COLUMN SHOULD BE SET TO 0 (ZERO).
- 2) WRITE A PROGRAM TO PERFORM SUM OF DIGITS USING RECURSION.
eg 123 \rightarrow 6
eg -12 \rightarrow 3 (-ve sign should be ignored)
- 3) WRITE A CODE TO CHECK IF A PARTICULAR STRING IS PRESENT IN ANOTHER STRING.
String 1 = abate
String 2 = bat
(DO NOT USE INBUILT FUNCTIONALITIES)
- 4) USE ANY DATA STRUCTURE, TO PERFORM BOOK INDEX MANAGEMENT. WRITE CODE FOR:
i) Add Book Index
ii) Remove Book Index.
- 5) A USER USING A SMARTPHONE, SEARCHES FOR SHOPS IN HIS LOCALITY. WRITE A CODE THAT WILL DISPLAY THE SHOP'S DETAILS TO THE USER ON HIS PHONE WITHIN 5km RADIUS FROM HIS CURRENT POSITION.
- 6) CALL ROUTING SYSTEM.
IN A CALL CENTER, THERE ARE VARIOUS OPERATORS, EACH OPERATOR KNOWS TWO LANGUAGES (PRIMARY, SECONDARY). NOW, WHEN A CALLER CALLS IN (ASSUME CALLER'S LANGUAGE IS KNOWN FROM HIS MOBILE NO.) NOW THE CALL SHOULD BE FORWARDED TO THE PARTICULAR OPERATOR

WHO IS FREE. DESIGN & WRITE A PSEUDOCODE FOR THIS SYSTEM.

Round 2 - TECHNICAL INTERVIEW - I

- 1> DO YOU KNOW ABOUT JAVASCRIPT, & EXPLAIN ITS PURPOSE?
- 2> HOW WOULD YOU DECREASE THE LOAD TIME OF A WEBSITE?
- 3> EXPLAIN WHAT DO YOU MEAN BY "MINIMAL JAVASCRIPT"?
- 4> EXPLAIN LIFE CYCLE OF AN ASP PAGE?
- 5> AND QUESTIONS WERE ASKED BASED ON THE ABOVE WRITTEN TEST
i> OPTIMIZE YOUR CODE
ii> DO YOU HAVE ANY OTHER APPROACH.

TECHNICAL INTERVIEW - II

- 1> EXPLAIN ME YOUR PROJECTS?
- 2> EXPLAIN STRUTS AND ITS FLOW?
- 3> WHICH IS BETTER SERVLETS OR JSP? & WHY?
- 4> WHAT DO YOU MEAN BY RENDERING IN ASP?
- 5> WHICH DATA STRUCTURE WOULD YOU USE FOR INDEXING & FASTER RETRIEVAL & WHY?
- 6> EXPLAIN TREE & B-TREE?
- 7> HOW ARE THE NODES IN A TREE PLACED? ALGO?
- 8> DO YOU KNOW CROSS-BROWSER SCRIPTING?

Round 3 - HR

- 1> TELL ME ABOUT YOUR SELF?
- 2> GIVE ME 5 STRONG POINTS ABOUT YOURSELF?
- 3> TELL ME ABOUT YOUR FAMILY BACKGROUND?
- 4> YOUR HOBBIES, WHERE YOU STAY AND SO ON.
BLAH BLAH BLAH...

- Q1) What is inheritance? Use of inheritance?
- Q2) What is static? Use of static? (Why do we use it?)
- Q3) Explain client-server?
- Q4) Write a program to reverse a string
- Q5) Write a program to sort the numbers.
- Q6) Difference between array & Arraylist.
- Q7) What is the use of Arraylist?
- Q8) Scenario: If a user selects the number of checkboxes then how it will be reflected to the other page.
- Q9) Write a query to count the no. of employees.
- Q10) Write a query to give the no of employees in the respective cities.
- Q11) Write a query to print the names of the employees containing 'c' in it.