

Round 1

Abhishek Bhatkar

1. Program to print 1 to 10 no. without any loop.
(use recursion)
2. Program to print words from sentence.
3. Queries : insert, update, delete, select, join
4. HQL queries same.
5. B2B, B2C?
6. Java → OOPS, with examples, code
JDBC
7. Spring, What is Spring, hibernate?
8. What is object persistence?
9. C++ → virtual, vptr, virtual table,
why it is needed?
10. Project flow → from angular to java to database.
11. Why hibernate template?
12. What are annotations in spring? @Auto
13. Dependency injection, IOC?
14. Spring MVC?
15. DAO design pattern → used in project?
16. What is POJO?
17. Java overriding & C++ overriding?
18. REST, Restfull services, Http methods.
19. DS linked list, circular
20. Sorting bubble sort

Round 2 - Puzzle

1. Two trains running towards each other with same speed of 30 km/h. Distance between trains is 60 km. A bird is doing flying back and fourth between this two trains then how much distance will bird cover ?
2. Program to find occurances of all unique no. from given array. Optimise it.
3. CDAC Project ?
 ? Work flow ?
 existing method & proposed solution .
 Which errors & exceptions you faced in your project ?
 How did you overcome it ?
 Did you ask for help for it ?
4. Spring, Hibernate, Hibernate template.
5. Choose one java or C++
 Why ?
 Difference between java & C++ ?
6. Why CDAC ?
7. BE project with diagrams.

Round 1

- ① Which data structure do you know?
- ② Delete node which is at 3rd position in linklist, write code.
- ③ Type of search
- ④ How will you search a given number using binary search? and write code.
- ⑤ code for inserting node between two nodes
- ⑥ given a string abcabbbcaa, find most repeated alphabet and print that alphabet and its count.
- ⑦ Can you do above problem using collection?
- ⑧ gave a scenario of Restaurant and told to identify the objects.
- ⑨ code for insertion sort.

Round 2

- ① which modules are you comfortable with, (from subjects we are done with in cdac)
- ② How will you create a circular link list?
- ③ what is queue? give real life example
- ④ what is stack? give real life example
- ⑤ write a code and use 5 keywords of Exception.
- ⑥ Database you worked on
- ⑦ What is JDBC?
- ⑧ difference between statement and prepared statement
- ⑨ how will you call stored procedure from java.
- ⑩ Hashmap is given, how will you get value without knowing the keys
- ⑪ ~~given a two~~ find x and y, where $xy + y = yx$

$$\begin{array}{c} \downarrow \qquad \qquad \qquad \downarrow \\ x \text{ is at tens place} \quad y \text{ at tens place} \\ y \text{ is at ones place} \quad x \text{ at ones place} \end{array}$$

~~prove~~ how you got it?

- ⑫ select is DDL or DML?

Round 3

- ① How was your yesterday's interview?
- ② difference between hashtable and hashmap (because of above question)
- ③ Explain me your project?
- ④ what was your contribution?
- ⑤ which languages are you comfortable with?
- ⑥ print
1 odd
2 even
3 odd
4 even
5 fizz
...
10 fizz
...
100
- ⑦ Reverse a given string using Recursion
- ⑧ new features of Java 8

Round 4 (HR)

- ① Normal conversation about family background
- ② Explain your both projects (CDAC and graduation)
- ③ where do you see yourself in 2-3 years?
- ④ How you help your team members?
- ⑤

$$xy = y + yx$$

Name: Devendra Dicholkar

Company:

CCPP ID: Altres Technologies Date: 18-02-2020

First Technical:-

- Q> Tell me something about yourself.
- Q> Name and explain some key annotations used in java.
- Q> Explain static and dynamic polymorphism.
- Q> What is dispatcher servlet in Spring MVC?
- Q> Difference between "==" & "equals(...)" in comparing String objects.
- Q> Explain the access specifiers in java.
- Q> 2 Pattern programs ~~were~~ gives & I was asked to get the output for this program & explain how I got the output.

```

      * *
     * *
    * *
   * *
  * *

```

Second Technical:-

- Q> Tell me something about yourself.
- Q> Give a brief description about your Project and what was your role in project.
- Q> What problem did you face while writing a service for you Project? What did you do to solve the problem?

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Q>  * * * * *
     * * *
      *

```

A java code for this pattern was given & I was asked to get the output & explain it.