

Gurpreet Bharj

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Cc: Bharath Badakere; Gurpreet Bharj; Sanjeev Kumar 18; Rashid Noorani
Subject: GS Interview Experiance

Hi All,

Please find my GS interview experience below :

CoderPad:

1. Given a String "aabbbbddcc" find the longest first repeating index and its length. (Input: "aabbbbddcc" Output: [2,4] 2 is the index and 4 is the length).
2. Set of anagrams of list of words. The output should be words which are anagrams from the list should be grouped together. ex- i/p- " cat dog tac sat tas god dog" o/p - cat tac sat tas dog god dog .But there is a little framework kind of they have developed and wanted output in that format. But the core qn is same.

Face to Face round :

1. Asked me to explain my project and discussion on it. I told i have worked on Telecom BSS domain on Apache POI and BIRT reports ect. then he asked me basics of that when to use which report tool and all.
2. What is difference between ArrayList and LinkedList when to use what.
3. what will be the size of below object created in memory.

```
class Demo
{
    Demo d1 = new Demo();
}
```
4. What is hashing explain the hashing principal on white paper how it works.
5. Difference between wait() , notify(), notifyALL()
6. Asked me to demonstrate multithreading through a program. I told him i can write deadlock program then he asked can you write producer consumer through wait() & notify(). I told him i can write this also i can demonstrate sequential output through multiple thread and other programs as well.
Then he told me to write a program where three threads T1,T2,T3 have to print output sequentially. I.e 1,2,3 4,,5,6 7,8,9 etc.
7. Write a program to sort LinkedList in reverse order.
8. Write a query to display max salary of an employees department wise.

Regards
Shubham