

Gurpreet Bharj

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Sent: Friday, September 22, 2017 1:13 PM
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Cc: Rashid Noorani; Bharath Badakere
Subject: GS interview experience

Hi All,

Below is my GS interview experience.

CoderPad Round:

1. Given an input String "aaabbbcaa" produce the output in the format "3a2b1c2a".
2. Debug program: there is an atoi(ascii to integer function) which takes string of digits as an input and gives the integer ascii sum of each digit. You will be expected to change the logic so as to return the same digits as given in the input String Ex: "42" should be return as 42

Face to face:

1st Round:

1. Given an array of integers {82, 54, 1, 38, 61, 24} find the combination of 2 digits which gives the sum of 55. ()
2. Give a class level diagram considering pizza, toppings and the billamount. Use all the properties that are required and the design patterns
3. Explain template design pattern
4. Explain decorator design pattern
5. Explain singleton design pattern
6. Differences between soap and restful webservices. Differences at the implementation level
7. Explain the architecture of any of the projects that you have worked so far.

2nd Round:

1. Collections :

- a) Difference between hashSet and hashMap
- b) How to put int, double, string, Boolean in hashmap as key. Eg: map.put(1, value); map.put("2", value); map.put(3.0, value); map.put(true, value).

2. Multithreading:

- a) Only One thread is doing some task, I want to process its result after it is done. How will u check that ?
- b) A server process 1000 request per second. Make it capable of doing 10000 request per second. He was asking suggestions

3. Exception Handling:

- a) How to prevent finally block being executed.
- b) How the execution flow works when there are return statements in try, catch and finally?

4. SQL: List the duplicates in a table. And find the max number of duplicates

Regards
Siddaraju