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| When out of memory will occur and how to overcome? |
| How concurrent hashmap works internally |
| How serialization works and if we don't want to save some data what we have to do while doing serialization |
| Java 8 features (Lambda, Stream, filter, map, functional interface, etc) |
| HashMap vs ConcurrentHashMap and where to use which one? |
| Explain different Memories in JVM. |
| Difference between Stack and Heap |
| Difference between Permgen and Meta space |
| A a= new A () where the Object will store and where will the variable a will get store |
| When will we get OutMemoryError and how will you solve that problem? |
| How will you find out the OutMemoryError (Expecting Heap Dump answer)? |
| Difference between Atomic and Volatile Variable |
| What is Executable service and what are the different implementations of it. |
| Island of Isolation in Java (GC) |
| Different ways of creating the Threads (Expecting the Executable service also) |
| How to analyse the heapdump |
| How will take the Heap Dump and Thread Dump (Jconsole, Jstack, Actuators Etc.,) |
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| Explain Project Details. |
| Explain lock and different types of it. |
| How to call two micro services in Asychrous way. |
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| what are all cloud techonologies in your project you have used. |
| what is Hystrix? |
| What are Ribbon and Fiegn clients? |
| git code base structure. |
| How to fix prod issue if you have get it. |
| Explain Maven build tool. |
| what is CI/CD pipeline you have used? |
| How to deploy your microservice in PCF cloud? |

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| Questions. |  |  |
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| 1) You are given two String lists like below. You need to perform below operations. |  |  |
| 1.a) Retrieve common elements |  |  |
| 1.b) Retrieve elements which are only in list1 |  |  |
| 1.c) Retrieve elements which are only in list2 |  |  |
| Constrains: |  |  |
| 1) You are not supposed to use any inbuild methods of list like retainAll, etc. |  |  |
| 2) You need to achive each operation with max O(n) time complexity. |  |  |
| 3) You are not supposed to any extra space (not focused much but highlighted once), You can simply display the list. |  |  |
| 4) You are not supposed to leverage Stream API feature. |  |  |
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| Input: |  |  |
| List<String> list1 = Arrays.asList("a","b","c","d","k","x","y"); |  |  |
|  |  |  |
|  |  |  |
| List<String> list2 = Arrays.asList("a","b","e","c","f","d","g"); |  |  |
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| 2) You are given two strings namely s1, s2 like below. You need to perform below operations. |  |  |
| 2.a) Check if s2 is exists in s1 (nothing but substring) |  |  |
| 2.b) If exists, how many times it occured in s1. |  |  |
| 2.c) Return the index of first occurance. |  |  |
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| String s1 = "hello world hello world hello world"; |  |  |
| String s2 = "ello w"; |  |  |
| Constrains: |  |  |
| 1) You are not supposed to any String or related classes inbuilt methods. |  |  |
| 2) You need to achive it with max O(n) time complexity. |  |  |
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| 3) You are given an integer array with size of N. You need to perform below operations |  |  |
| 3.a) You need to find the missing number from given array (new size will become N + 1) but forget about new array creation. Just return the missed number. |  |  |
| 3.b) You need to handle the Overflow. Assume you are given 1,55,555 numbers in array (you can't use any premitive DT, right) |  |  |
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| For 3.b, Most of the people will give answer like |  |  |
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| getting total of array numbers using mathematical formula like |  |  |