SAP Interview Questions:

1) Explaination about technologies used in Project

2) Explaination on Authentication mechanism like Oauth

3) Scenario based questions from developing Springboot application to till database layer

4) Deploying application in cloud on multi region handling country specific data privace laws on data center level.

5) Working flow of stream api from intermediate operations to terminal operations

6) Program to write Sorting list

1: Add fictionality to print the Last 2 tasks remaining

class Task extends Thread.

{

String jobName;

Task nextTask;

}

class TaskExecutor

{

public void execute (Task firstTask)

{

System.out.println("Last 2 tasks remaining");

}

}

2:

col1 col2 from table name phone

find the second highest salary from the employee table.

3: How to improve the performance from the above query

4: What is partitioning

5: How to create index and views and what is the advantages

5: Difference between RDBMS and MongoDB

6: Find the number of character occurrence in the given string

public void printLetterCounts (String str)

{

7: From the above code print the string alphabetical order do not use built in method

What is class.forName in java and why we need to use it instead of import

[4:59](https://gbs-hcs.slack.com/archives/D06DBDGBSLV/p1705058958766969)

why string immutable and where we are using it  
singleton and how to prevent to breakdown the singleton (edited)

[5:00](https://gbs-hcs.slack.com/archives/D06DBDGBSLV/p1705059024316149)

Input:{0, 1,0,3,5}  
Output:{1, 3,5,0,0} need to move zeros to right side using single for loopInput {1, 4,6,7,5}  
Output:{1, 4}  
When we add index element values need to equal to 9  
If we add 4 and 5 = 9

public class Test {  
public static void main(String[] args) {  
foo(null);  
}  
public static void foo(Object o) {  
System.out.println("Object impl");  
}  
public static void foo(String s) {  
System.out.println("String impl");  
}  
}

[4:50](https://gbs-hcs.slack.com/archives/D06DBDGBSLV/p1705058455546389)

find the missing element from input a={3,0,1},output =2

1. What are the components present in the class, write and show

 eg: variable, getter, setter, constructor, method, main method

1. Explain OOPS concept
2. Difference between runtime and compile time polymorphism
3. Scenario based questions on Exception
4. Explain about Exception
5. Write and show how to prevent method from overriding
6. Create Java class and do some operation
7. Diff between method and constructor

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1. Why String is Immutable
2. Difference between Spring and Spring boot
3. Explain about Spring boot framework and annotations
4. Write a program to print occurrence of element

i/p  [ aaaabbbcccdd]

o/p [a->4,b->3,c->3,d->2]

1. Explain about Microservice
2. == and equal() operations
3. Write and show how stream works in Java8
4. About Static and Default
5. Functional Interface
6. Diff between Abstraction and Interface
7. Diamond problem in java
8. Overloading and Overriding

1) Introducing myself

2) Previous project Architecture and my role for day to day work

3) Matrix: [(a,c,d),(n,a,b),(i,d,z)]

Input 2: India

write a program to find if all characters of input2 is present in matrix.

4) Input 1: integer Array

input 2: a positive integer

YOu should find all the pairs in the array which makes sum equal to the given integer

5) After printing the pairs for above question, asked that no pair should contain the repeated integer.

1. Interface
2. Abstract class
3. solid principles in Java
4. write a program to retrieve the file[can be of any format like json/csv/txt]  from any data using open close solid principle

2nd Round Interview Questions:

1) Everyone is running for microservice Architecture, Are Microservice the future? or do you find any drawbacks?

2) how do you explain the request from frontend to backend for a new developer in detailed along with required dependencies and db connection?

3) how do you write a native query in spring boot JPA?

4) What is @Autowiring annotation and how does it work?

5) How do you frame request and response in a API?

6) Have you faced cyclic dependency in your application and how did you resolve it?

7) what is Stream API? Advantages and inbuilt methods?

8) Take a input String and find all the count of vowels in the String?