Java Interview Questions

1.What is encapsulation?

2.What is abstraction?

3.Difference between encapsulation and abstraction

4.What is collection

5.What is difference between HashMap and hash Table

6.What is difference between heap memory and stack memory

7.What is functional interface

8.What is jdk, jvm,jre

9.What is customized exception handling

10.Write a program to print square of a number using lambda function

11.Arrange the following array in a way that 1’s will come in first {1,2,3,1,1,2,2,1,3,2,1}

12.Why there are static and default block in functional interface

13.What is callable

14.What is bean Scope

15.Print duplicate entries in array using stream

16.How microservices communicate

17.What is optional, write a program on it

18.What is difference b/w comparable and comparator with example

19.What is transaction-@transaction

20.What is polymorphism, encapsulation, inheritance

21.Give a real-life example where you used polymorphism

22.What is difference between error and exception

23.What is finally block and why we use it

24.What is null pointer exception

25.What is synchronization

26.What is collection framework

27.What is singleton design pattern

28.Marker Interface

29.how to achieve pagination

30.How to rollback a changed entry in spring

31.Profile annotation

32.What is j2ee features

33. need to extract the names of employees which starts with characters "Su" or any string. Assume the query string coming from UI fields. Using stream

(it should be case insensitive)

34. public class Program

{

static int a = 4;

int b = 3;

public static void main(String[] args)

{

a = 10;

b = 20;

}

}

What is the problem in the code?

35. How we use encapsulation in spring boot?

36.What is difference between ArrayList and LinkedList?

ArrayList uses dynamic array, LL uses doubly linkedList.

For that searching is fast but manipulation is slow in ArrayList and vice versa for LinkedList.

37.What is lazy initialization in hibernate?

38.What is self join in SQL?

39.Difference between hashtable and hashmap

40.Find the duplicates in an array.

41. Given a hotel which has 10 floors [0-9] and each floor has 26 rooms [A-Z]. You are given a sequence of rooms, where + suggests room is booked, - room is freed. You have to find which room is booked maximum number of times.

You may assume that the list describes a correct sequence of bookings in chronological order; that is, only free rooms can be booked and only booked rooms can be freed. All rooms are initially free. Note that this does not mean that all rooms have to be free at the end. In case 2 rooms have been booked the same number of times, return the lexicographically smaller room.

You may assume:

N (length of input) is an integer within the range [1, 600] each element of array A is a string consisting of three characters: "+" or "-"; a digit "0"-"9"; and uppercase English letter "A" - "Z" the sequence is correct. That is every booked room was previously free and every freed room was previously booked.

Example: Input: ["+1A", "+3E", "-1A", "+4F", "+1A", "-3E"] Output: "1A" Explanation: 1A as it has been booked 2 times.

42.Explain the microservices you are using in your project

43.Describe the authentication and authorization process

44.What is spring security

45.Features of java 8

46.Explain the structure and usage of functional interface

47.What is abstract class

48.What is lamda function

49.difference between map and filter

50.What is bean

51.What are annotations you use in spring

52. @Autowired explain

[53. @SpringbootApplication](mailto:53.@SpringbootApplication) explain

54.What is Autowired by name

55.What is self-join

56.With in pl/Sql

57.Junit and Mockito

58.Deployment pipeline – git, Jenkins

59. Do you use docker and Kubernetes

60.What is producer and consumer in Kafka

62.What if I click post request multiple times

General Interview Questions

1.Intoduce yourself

2.Explain the detailed process of agile methodology such as sprint planning, effort estimation, scrum call etc