**Interview Questions**

1)How we can change database in hibernate

By changing the property of dialect in hibernate cfg file

<property name="dialect">org.hibernate.dialect.OracleDialect</property>

2)What is spring why spring

3)Project flow

4)Explain project flow

5) Explain MVC flow

6)Joins in sql

7)Collections in hibernate

8) Association in hibernate

9)Sql

10) Difference between extend thread and runnable

11) How we can make hashmap synchronized

12: How hashmap works internally

13: Which are Object class methods

1.String reverse program without any string in built function

2. Duplicate character in string program without in built function

3. What is the difference between collection and collections

4. What do u mean by abstract

5. Sql queries for inner join and sum

6. Sql queries to join two tables

7. Sql query to find third largest value

8. Program to sort hashmap by key

9. Program to sort hashmap by value

10. What are the ways to make design pattern singleton

11. Why hibernate is good for ORM

12. What is microservices have u used?

13. Difference between SOAP and REST

14. What is base class of exception

15. Try catch scenarios

16. How to skip finally block

17. MVC flow with projects

18. What classes u have used in project?

19. What happens when u click on salary module? How request goes and complete process???

20. What annotations are used in your project? And why they are used?

21. How u handle issues with Team Lead

22. How your agile follows?

23. Some code snippets to run

24. Pattern programs

25.who is collect requirements from clients?

26.why spring?

27.write a query for second highest salary ?

28.basic unix commands- for e.g sudo,mkdir,mv,cp,ps

29.What is the difference between session.save() and session.persist() method?

**MicroServices Interview Questions:**

1. What do you mean by MicroServices? What do you understand by it?

2. What is the difference between service-oriented Monolithic Application and MicroServices?

3. Design a simple microservices application.

4. How to convert an existing monolithic application into small small microservices?

5. While breaking an existing application into microservices what are the advantages and disadvantages you have faced?

6. What are the best practices of MicroServices?

7. For deploying MicroServices, what are the technologies you have used?

8. How you communicate between these microservices?

9. How authentication is done between these microservices?

10. How user interface or a client interact with the first microservice layer?

11. What is polymorphism?

12. What is difference between encapsulation and abstraction??

13. Types of constructors??

14. Use Super and this keywords.

15. What is thread ?

16. Explain about multi-threading?

17. Can we overload method by just exchanging the position arguments?

18.What are exceptions?

19.Challenges you faced in Automation?

20.Testing annotations

21. What is dependency?

22. Where we can find the downloaded jars as part of maven project

23. Program: write a program to print Fibonacci series upto 10

**infosys**

1: Why java introduced wrapper class when we already have primitive...

2: Where we use wrapper classes

3: What is wrapper class?

4: Tell about design patterns?

5: What will you do to improve the performance of the application

6: Life cycle of thread In which stage start method will get invoked

7: How hashmap internally works?

8: What is polymorphism

9: Why we use comparator for multiple sequence sorting,why not comparable?

10: Scenarios of overloading.and overriding

11: In which stage run method will get invoked

12: What is the use of concurrent hashmap?

13: Write and explain Hibernate.cfg.xml file..

14: Difference between comparable and comparator.

15: What is markable ?

16: What will happen when we don't specify version tag in pom.xml

17: When we try to store primitive in array list, what happens internally

18: Static block

19: Can we make interface final?

20: Which server you use for deployment

21: Tell me the process of deployment

22: What is lazy loading in spring.

23: Which tags are present in pom.xml

24: Tell me the name of any final class other than string.

25: What happens when we say system.gc

26: What is git

27: Related to git,difference between commit

28. Commit and push

29: Related to git Difference between Pull and fetch

30: What is difference between git n svn

31: What is svn

32: How it works,git/svn?

33: When it will get called

34: What is the use of finalize method.

35: What is auto boxing , unboxing

36: What is loose coupling

37: we use interface it is loose coupling... With spring we also achieve loose coupling..

38. What is the difference between the above two

39: Why there is scp concept

40: When we use object as key in hashmap which condition we have to give

41: Diffn between spring jpa and spring data

42: How we achieve microservice within same class

43: What is microservice

44: Why there is restriction for comparable to sort with only one field

45: How we start session in session factory

46: Which 2 nd level catche you used like em

47: What is Transaction... Transaction management

48: In springboot which type of file is load on server. war file or another type file

49: For small application which doesn't have changes.. For those applications why we use spring

50: What is uid in serialization.. What is use of that uid

1: Which design patterns do you know ? Explain 1 design pattern.

2. Explain Spring framework and difference between spring and spring boot.

3. Spring annotation when to use what annotations.

4. What is Thread safe in Java ? Thread related 1 example and difference of T.run() and T.start().

5. Tools of Java memory leaks analysis and how you analyzed and fixed memory leaks.

6. Explain Spring MVC

7. Data Structures and Collections explain. difference between comparator and comparable.

8. Web Service: SOAP and REST. what is the difference between both and when to use REST and when to use SOAP ?

9. Session tracking and how to track sessions ?

10. Database deadlock explain and how to resolve/avoid it.

11. Write a query to get employee who is getting 3rd highest salary.

12. Which…

Which maven tool we used

Difference between spring and spring boot

Which version we used in maven

Mvc flow

Why we use maven

In hibernate how to communicate with sql

Java 1.8 features

Which features used In project

View resolver madhe apan html files add Karu shakato Ka ?

What is sql yog