1. When do you use try with resources.
2. What are the advantages of thread pool
3. How to know the status of thread in thread pool
4. What are the synchronized classes we have used.
5. How to make a class thread safe other than using synchronized keyword.
6. What is type erasure in generics. Is it compile time or runtime features.

1, If we have a Person class what will be its default equals and hashcode implementation.

2, If i ask you to create equal and hashcode method of a Person class what logic would you write.

3, What is Runnable and Thread class, what is the difference other then interface and class difference.

4, Types of locks in threading and what is the memory level impact of them.

5, How to find thread dump of your application.

6, What are deadlocks? how to prevent deadlock.

7, What testing framework you used? What all annotations you used in JUnit?

8, If i have multiple test cases then how do you automate their calling everytime?

9, Which continuous integration tool you used ?

10, Which build tool you used? How to call junit from maven?

11, How do you find the code coverage of code?

12, Are you worked of JMS, MQs ?

13, What is marshalling and unmarshelling?

14, How does hash set work?

15, What is Generics? What are the uses of generics? Is Generics work at compile time or runtime?

16, What is serialization and how to apply it? (Given multiple scenarios to handle in serialization)

Core JAVA  
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1. What are the different implementaion of Collection and which one use in which scenario?  
2. What is the difference between SET and LIST?  
3. Which implementaion of MAP collection is best in terms of Performance is concern?  
4. What is Generics in JAVA? What are the advantages of using Generics.  
5. Have you worked on MultiThreading? Give one example where you used Multi Threading in your project?  
6. There is one time consuming task, which has 5 subtasks which can run independently however after completion of all 5 tasks the final result needs to calculate and return. How to implement that using Thread.  
7. Have you worked with Concurrency API?

Spring   
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1. What is Spring Containers?  
2. What are the different Spring IOC Containers and how to use those containers to instantiate the classes?  
3. Explain about the Bean life cycle.

Design Patterns  
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1. What are design patterns have you worked with and explain two of them.  
2. What is structural pattern and explain about one of the Structural Pattern.

Hibernate  
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1. If we have associations between Entities, should we load all the entities at the same time or load as and when require?  
2. Should we use lazy loading during batch processing?

Junit Testing  
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1. What is Test Driven Development (TDD)?  
2. How to prepare the mock data in Junit?

Others  
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1. Which script are you familiar with to build the project?  
2. How to configure ant script inside Jenkins tool for Continuous Integration.

1. How does java Hashmap work internally ?
2. What is an immutable class and How to create an immutable class?
3. What are the advantages of immutability?
4. What are the Difference between ArrayList ?
5. When to use LinkedList or ArrayList?
6. What are the difference between ConcurrentHashMap and Collections.synchronizedMap(Map)?
7. How does ConcurrentHashMap work internally?
8. What is the significance of load factor in HashMap?
9. What Are Generics  and Why do we need Generic Types in Java?
10. Generics is compile time or run time?
11. Tell me one scenario where generics have used in your project?
12. what is the Java Executor framework and how to use it in multithreaded application.
13. What are the significance of hashCode() and equals() method in java?
14. What is the purpose of Serialization in Java? why it is used?
15. What are the use of wait() and notify() methods in java?
16. What are Locks and Synchronization in java and what are the purpose of it?
17. What is Singleton design pattern and how to make a class as singleton?
18. What is the Spring MVC and how does it work internally? or what is the Spring MVC work flow ?
19. What is the bean life cycle .explain it?
20. What are Different types of spring bean scopes and what is the default scope?
21. What is the use of @Qualifier annotation in spring?
22. How to  configure scope for a bean in spring using annotation and xml ?
23. What is container in spring framework and what are Different Types of Spring Containers?
24. What are the benefits of Hibernate Framework?
25. What is Lazy and Eager initialization in hibernate?
26. What is caching and How to configure second level cache in Hibernate?
27. What is Junit and what are the annotation used in Junit?
28. What is mokito and how to use it?
29. What is Test Driven Development(TDD)?
30. What is Agile and SCRUM methodology in project management?