1. Can you set scope = “request” in stand-alone application?

The request, session, and global session scopes are only available if you use a web-aware Spring ApplicationContext implementation (such as XmlWebApplicationContext). If you use these scopes with regular Spring IoC containers such as the ClassPathXmlApplicationContext, you get an IllegalStateException complaining about an unknown bean scope.

<http://docs.spring.io/spring/docs/3.1.0.RC1/spring-framework-reference/html/beans.html#beans-factory-scopes-other>

2. If you set scope = “request” in stand-alone application how spring will find out if it’s not web application?

3. How will you call one JVM to another JVM?

4. Which java package and class use polymorphism and what’s your favourite?

5. What are the 4 different associates of objects? Please provide an example of each?

6. Why we do serialization in Hibernate?

7. Do you remember how many types of call back interface in spring?

8. How many call back bean interfaces are there?

9. How will you load context file in spring?

10. How will you load context file in if its web aware application?

11. How you handle transaction in hibernate?

12. Let’s talk about JMS. Let’s say you have point to point messaging system and whenever messages arrives you update the database and due to some reason you get some exception from database how will you send acknowledge message back ? Also because you got exception here then will you make sure in case of exception message consumed and acknowledge properly?

13. Once DBA created data base table what you do next tell me details if you are using hibernate?

14. If you have 100 tables will you generate 100 model classes?

15. What will you do make it shorter the model class?

16. What is the difference between hibernate model class and java bean. How will you differentiate hibernate model class and Java bean?

17. How you call data base in hibernate?

18. How you do package scan of multiple model class in hibernate XML file ?

19. What is File Manager what is the use of it?

20. How you use File Manage to execute query in the data base?

21. If you have two war file in same spring container and you have same class with same package in both how many times class will be loaded

22. If in hibernate we need to increment id by even number how we will achieve this?

23. How we generate id automatically in hibernate?

24. **ApplicationContext**vs **WebApplicationContext**

**ApplicationContext** applicationContext.xml is the root context configuration for every web application. Spring loads applicationContext.xml file and creates the ApplicationContext for the whole application. There will be only one application context per web application. If you are not explicitly declaring the context configuration file name in web.xml using the contextConfigLocation param, Spring will search for the applicationContext.xml under WEB-INF folder and throw FileNotFoundException if it could not find this file.

**WebApplicationContext** Apart from ApplicationContext, there can be multiple WebApplicationContext in a single web application. In simple words, each DispatcherServlet associated with single WebApplicationContext. xxx-servlet.xml file is specific to the DispatcherServlet and a web application can have more than one DispatcherServlet configured to handle the requests. In such scenrios, each DispatcherServlet would have a separate xxx-servlet.xml configured. But, applicationContext.xml will be common for all the servlet configuration files. Spring will by default load file named “xxx-servlet.xml” from your webapps WEB-INF folder where xxx is the servlet name in web.xml. If you want to change the name of that file name or change the location, add initi-param with contextConfigLocation as param name.

* Composition vs Aggregation  [Answer Question](https://www.glassdoor.co.in/Interview/Composition-vs-Aggregation-QTN_870674.htm)
* Encapsulation vs Abstractions  [Answer Question](https://www.glassdoor.co.in/Interview/Encapsulation-vs-Abstractions-QTN_870675.htm)
* Inheritence vs Composition  [Answer Question](https://www.glassdoor.co.in/Interview/Inheritence-vs-Composition-QTN_870676.htm)
* Singleton in presences of multiple class loaders  [Answer Question](https://www.glassdoor.co.in/Interview/Singleton-in-presences-of-multiple-class-loaders-QTN_870677.htm)
* How paramgen is Garbage collected  [Answer Question](https://www.glassdoor.co.in/Interview/How-paramgen-is-Garbage-collected-QTN_870678.htm)
* what is ThreadLocal, CountDownLatch, CyclicBarrier?  [Answer Question](https://www.glassdoor.co.in/Interview/what-is-ThreadLocal-CountDownLatch-CyclicBarrier-QTN_870679.htm)
* Dirty read, Fantom read and non repeatable reads in case of Databases and Hibernate.  [Answer Question](https://www.glassdoor.co.in/Interview/Dirty-read-Fantom-read-and-non-repeatable-reads-in-case-of-Databases-and-Hibernate-QTN_870680.htm)
* Spring bean scopes  [Answer Question](https://www.glassdoor.co.in/Interview/Spring-bean-scopes-QTN_870681.htm)
* Suggest test cases for a method which has nested if else inside  [Answer Question](https://www.glassdoor.co.in/Interview/Suggest-test-cases-for-a-method-which-has-nested-if-else-inside-QTN_870682.htm)
* ConcurrentHashmap: 3 threads reading and 1 writing. the writing thread calls map.clear(). What exception or effect will be caused by this?  [Answer Question](https://www.glassdoor.co.in/Interview/ConcurrentHashmap-3-threads-reading-and-1-writing-the-writing-thread-calls-map-clear-What-exception-or-effect-will-be-QTN_870683.htm)
* BlockingQueue based producer consumer problem.  [Answer Question](https://www.glassdoor.co.in/Interview/BlockingQueue-based-producer-consumer-problem-QTN_870684.htm)
* How many design patterns you have implemented?  [Answer Question](https://www.glassdoor.co.in/Interview/How-many-design-patterns-you-have-implemented-QTN_870685.htm)
* Have you worked with JMS