



SHREE H N SHUKLA COLLEGES OF I.T. & MGMT.

(Affiliated to Saurashtra University and G.T.U)

2 – Vaishalinagar
Nr. Amrapali Railway Crossing
Raiya Road
Rajkot – 360001
Ph.No–(0281)2440478,2472590

3 – Vaishalinagar
Nr. Amrapali Railway Crossing
Raiya Road
Rajkot - 360001
Ph.No–(0281)2471645

Question Bank - Advance Java- M.Sc IT-1

1. List out the main tasks performed by IoC container.
2. How many types of IOC Containers are their?
3. How many types of Dependency Injection are there in spring framework?
4. List out the problems of dependency lookup?
5. Which autowiring mode is not supported in Spring 4?
6. List out autowiring mode?
7. How many types of Factory methods are available?
8. How many types of advices are there in AOP?
9. List out classes and interface provided by SpEL API.
10. Concat the two String “Hello” and “Mscit” using SpEL.
11. Convert String “mscit” to UPPERCASE using SpEL.
12. List out the properties of DriverManagerDataSource class of SpringFramework.
13. Bean Factory Vs. Application Context
14. Constructor and Setter Injection
15. In how many ways you can fetch the records in Spring Framework and which one is better among these options.
16. Explain the methods of JdbcTemplate Class.
17. Set the properties of DriverManagerDataSource class of SpringFramework for mysql connectivity.
18. Explain problems of JDBC API and Advantage of Spring JdbcTemplate.
19. Explain Constructor Injection with Example.
20. Explain different Spring Module.
21. What are the main tasks of IoC Container? How many types of IoC Containers are their ? Explain which one is Better.



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22. What is Autowiring? Explain different types of modes in AutoWiring.
 23. Explain Dependency injection with Factory-method and also explain the types of it.
Write a simple code to inject the dependency by static factory method which returns instance of its own class.
 24. Concat two string “Welcome” and “to Spring framework” using SpEL and also convert this string to UpperCase using SpEL.
 25. Explain JdbcTemplate class with example.
 26. Describe Architecture of Hibernate.
 27. Describe steps to create Hibernate application.
 28. Explain advantages of Hibernate application.
 29. Describe Hibernate with Annotation.
 30. Describe Hibernate web application with example.
 31. Describe Hibernate Generator class.
 32. List Hibernate Dialects.
 33. Describe Hibernate Inheritance Mapping.
 34. Explain Table per Hierarchy with example.
 35. Explain Table per Concrete class with example.
 36. Explain Table per Subclass with example.
 37. Describe Collection Mapping.
 38. Describe Mapping List.
 39. Describe Mapping Bag.
 40. Describe Mapping Set in Collection Mapping.
 41. Describe Mapping Map in Collection Mapping.
 42. Explain Bidirectional Association.
 43. Explain Lazy Collection.
 44. Describe Component Mapping.
 45. Describe Association Mapping.



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46. Explain Transaction Management.
 47. Explain Hibernate Query Language.
 48. Describe HCQL.
 49. Explain Hibernate Named Query.
 50. Explain Caching in Hibernate.
 51. Explain Hibernate Second Level Cache.
 52. How Spring application can be integrated with Hibernate?
 53. Explain methods of Hibernate Template class.
 54. Describe Hibernate Logging by Log4j.