Chapter 8

1. What's the meaning of CRUD?

A. Create, Read, Update, Destroy

B. Create, Run, Update, Destroy

C. Create, Read, Update, Delete

D. Create, Run, Update, Delete

2. JDBC Infrastructure is a driver that allows code to access the database.

A. True

B. False

3. When JDBC Infrastructure is loaded it registers itself with a \_\_\_\_\_\_\_ class.

A. java.sql.DriverController

B. java.sql.DriverManager

C. java.sql.jdbcInfrastructure

D. java.sql.jdbcDatabase

4. Which class manages a list of drivers and provides static methods for establishing connections to the database?

A. java.sql.DriverController

B. java.sql.DriverManager

C. java.sql.jdbcInfrastructure

D. java.sql.jdbcDatabase

5. Which interface allows to run SQL statement against database?

A. java.sql.DriverConnection

B. java.sql.DriverManager

C. java.sql.Connection

D. java.sql.JdbcConnection

6. Which package contain the foundation of JDBC class?

A. org.springframework.jdbc.core

B. org.springframework.jdbc.datasource

C. org.springframework.jdbc.object

D. org.springframework.jdbc.support

E. org.springframework.jdbc.config

7. Which package contain helper classes and Datasource?

A. org.springframework.jdbc.core

B. org.springframework.jdbc.datasource

C. org.springframework.jdbc.object

D. org.springframework.jdbc.support

E. org.springframework.jdbc.config

8. Which package contain class that help to convert the data?

A. org.springframework.jdbc.core

B. org.springframework.jdbc.datasource

C. org.springframework.jdbc.object

D. org.springframework.jdbc.support

E. org.springframework.jdbc.config

9. Which is the most important class in org.springframework.jdbc.support package?

A. SQLError

B. SQLSyntaxError

C. SQLException

D. None

10. Which package contains classes that supports JDBC configuration within Spring's ApplicationContext?

A. org.springframework.jdbc.core

B. org.springframework.jdbc.datasource

C. org.springframework.jdbc.object

D. org.springframework.jdbc.support

E. org.springframework.jdbc.config

11. Embedded database is useful for what?

A. Local Development

B. Global Development

C. Unit Testing

D. A & B

E. A & C

F. B & C

12. In the Spring JDBC module, there is a class called JdbcDaoSupport. It wraps up the \_\_\_\_\_\_\_\_ class.

A. JdbcSupport

B. JdbcDao

c. JdbcTemplate

D. NOne

13. Spring RowMapper<T> interface provides a simple way to perform mapping from a JDBC resultset to POJOs.

A. True

B. False

14. Which interface is suitable for only row base mapping to a single domain object?

A. RowMapping<T>

B. RowMapper<T>

C. ResutlSetExtractor

D. None of the above

15. Which class wrap the query string together with the mapRow() method into a single class?

A. MappingSqlQuery<T>

B. SqlUpdate

C. BatchSqlUpdate

D. SqlFunction<T>

16. Which class allows to wrap any SQL update statement?

A. MappingSqlQuery<T>

B. SqlUpdate

C. BatchSqlUpdate

D. SqlFunction<T>

17. Which class allows to perform batch update operations?

A. MappingSqlQuery<T>

B. SqlUpdate

C. BatchSqlUpdate

D. SqlFunction<T>

18. Which class allow to call stored functions in the database with argument and return types.

A. MappingSqlQuery<T>

B. SqlUpdate

C. BatchSqlUpdate

D. SqlFunction<T>

19. MyBatis (formerly known as iBATIS) is a popular DataMapper framework.

A. True

B. False

20. Which is generally more widely used database for web application development, especially on the

Linux platform?

A. PL/pgSQL

B. MySQL

C. PostgreSQL

D. JDBC

21. Which is procedural a language?

A. MySQL

B. JDBC

C. PL/psSQL

D. None

22. A database is a collection of data.

A. True

B. False

23. Which is the open source databases?

A. PostgreSQL

B. HSQL

C. Derby

D. All above

24. The difference between a DataSource and a Connection is that a DataSource provides and manages Connections.

A. True

B. False

25. Which package provides DriverManagerDataSource?

A. org.springframework.jdbc.object

B. org.springframework.jdbc.support

C. org.springframework.jdbc.config

D. none

26. The DriverManagerDataSource does not support database connection pooling makes this class unsuitable for anything other than testing.

A. True

B. False

27. Which is/are the JEE application server?

A. JBoss

B. WebSphere

C. GlassFish

D. Above all

E. None

28. Spring’s JndiObjectFactoryBean to obtain the data source by

A. JDBC lookup

B. JNDI lookup

C. MySQL lookup

D. None

29. As of version 3.1, Spring supports by default

A. HSQL

B. H2

C. DERBY

D. All Above

30. Which is/are ORM frameworks?

A. Hibernate

B. EclipseLink/ TopLink

C. OpenJPA

D. All are

31. Which one is appropriate process to create a Table?

a. Create table (Id int not null auto\_increment, First\_name varchar (25), Primary key(id));

b. Create table (Id int not null auto\_increment, First\_name varchar, Primary key(id));

c. Create table customer (Id int not null auto\_increment, First\_name varchar (25), Primary key(id));

32. Which is not Spring JDBC Packages?

a. Core

b. Datasource

c. Object

d. Config

e. servlet

33. What is the correct extension of properties file?

a. jdbc.properties

b. Jdbc.property

c. Jdbc.propertyfile

34. Which one is not JEE application server?

a. JBoss

b. webSpher

c. GlassFish

d. Primefaces

35. DML stand for?

a. Data manipulation language

b. Data maintain language

c. Data margin language

36. SQL Exception are runtime exceptions True or False?

a. True

b. False

37. Public class IdbExam{

Private DataSource datasource;

Public void setDataSource(DataSource dadasource){

This.datasource=datasource;

}

}

Above this application DataSource is a ---

a. Interface

b. Class

c. Method

38. JdbcTemplete is an Interface True or False?

a. True

b. False

39. Which is database management software?

a) MySQL

b) Primeface

c) Java

d) Html

40. RDBMS stands for

a) Relational Database Management Software.

b) Relational Database Management System.

c) Relative Database Management System.

41. DriverManagerDataSource is under the package of

a) Org.springframework.jdbc.JDBC

b) Org.springframework.jdbc.datasource

c) Org.springframework.jdbc.jdbcTamplete

d) Org.springframework.jdbc.DriverManagerDataSource

42. What is friendlier to Oracle developers?

a) MySQL

b) PostgreSQL

c) Oracle

d) Above all

43. MySQL is generally more widely used for….

a) Web application development

b) Desktop application development

c) Both a & b

d) None

44. ORM stands for

a) Object-Related Mapping

b) Object-Related Module

c) Object-Relational Mapping

d) Object-Relational Module

45. What is the alternative of Object-Relational Mapping?

a) JDBC

b) ODBC

c) JPA

d) Hibernate

46. The instance of RDBMS is called

a) Database management software

b) Database engine

c) Database server

d) Database management system

47. In the Spring Jdbc module, there is a class called

a) JdbcDaoSupport

b) JdbcTemplateSupport

c) JdbcTemplateDaoSupport

d) JdbcObjectDaoSuppor

48. Popular ORM framework is/are

a) Hibernate

b) EclipseLink

c) OpenJPA

d) Above all

49. What are the advantage of jdbcTamplate?

a) mentioned problems of JDBC API.

b) It provides you methods to write the queries directly,

c) it saves a lot of work and time.

d) All of the above

50. What is a powerful mechanism to connect to the database and execute SQL queries?

a) Jdbc

b) jdbcTamplate

c) odbcTamplate

d) none of above

51. ResultSetExtractor interface can be used

a. to fetch records from the database

b. to delete records from the database

c. a+b

d. none

52. What are spring Jdbc package?

a. org.springframework.jdbc.core

b. org.springframework.jdbc.datasource

c. org.springframework.jdbc.config

d. all of the above

53. Under which package the DriverManager is?

a. org.springframework.jdbc.core

b. org.springframework.jdbc.datasource

c. org.springframework.jdbc.config

d. none

54. Where from spring property placeholder will load the connection information?

a. jdbc.properties

b. jdbc.config

c. jdbc.support

d. jdbc.object

55. DataSource implement by ---

a. JEE Application server

b. JMV Application server

c. ODBC Application server

d. Object Application server

56. Which version spring offer embedded database supported

a. version 4.0

b. version 3.0

c. version 1.0

d. all

57. Why jdbcTemplate used for?

a. allows to issue any type of sql statement

b. returns any type of result

c. both a & b

d. none

58. jdbcTemplate will be initialized automatically\_\_\_\_

a. when extend DAO supported.

b. then extend JDBC supported.

c. a+b

d. only b

59. Which is not Hibernate configuration property?

a. hibernate.dialect

b. hibernate.batch

c. hibernate.batch-size

d. hibernate.fetch-size

60. which are spring supported EntiyManagerFactory?

a. LocalEntiyManagerFactory Bean

b. JEE6 compliant container

c. localContaineLocalEntiyManagerFactory Bean

d. all of above

61. Spring JdbcTemplate is based on which design pattern

A. Decorator

B. Proxy

C. Facade

D. Template

62. The interface is used by the JdbcTemplate to map a resultset row is

A. RowElementMapper

B. RowMapper

C. Mapper

D. ValueMapper

Ans: B

63. The main advantage of using Data Access Object (a.k.a. DAO) pattern is

A. It provides object modeling for data

B. It provides access credentials to the data objects

C. It hides database specific implementation from the other layers of the application

D. It always provides non jdbc specific implementation

64. A key benefit of using DataSource is that

A. it is possible to use a database connection pool to fetch database connection

B. it is possible to directly connect to a database without using connection parameters

C. it automatically enables distributed transactions

D. it facilitates logging of database queries and their results

65. If JdbcTemplate is used then

A. SQL queries automatically become database agnostic

B. object relational mapping is available out of the box

C. it is not necessary to write SQL queries

D. it is not necessary to manage connections in the application code

66. Named parameters are typically used for

A. Statements

B. Prepared Statements

C. Callable Statements

D. Transactions

67. Named parameters are typically specified using

A. semicolon (;)

B. dot (.)

C. colon (:)

D. hash (#)

68. Named parameters are typically passed using a

A. List

B. Set

C. Map

D. TreeSet

69. Using named parameters is preferred due to

A. proxy pattern usage

B. low cohesion

C. loose coupling

D. improved code maintainability

70. JdbcDaoSupport is based on

A. Visitor pattern

B. Decorator pattern

C. Proxy pattern

D. Data Access Object pattern

71. JdbcDaoSupport typically has a reference to

A. JdbcDataSource

B. JdbcReference

C. Template

D. JdbcTemplate

72. JdbcDaoSupport can be used as a

A. cloned class for all data access operations

B. base class for all data access operations

C. derived class for all data access operations

D. inner class for all data access operations

73. A class which extends JdbcDaoSupport is often injected into

A. Service class

B. Decorator class

C. Visitor class

D. Proxy class