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

Chapter 9

1) Which is manage Hibernate’s session factory to work in a Spring application?

a) SessionFactory

b) Application context

c) method

2) A Java class that is mapped to the underlying relational database structure is called

a) An entity class

b) A java class

c) An Object Mapping

3) which is the Maven’s project object model file?

a) Web.xml

b) context.xml

c) pom.xml

4) The core concept of Hibernate is based on-

a) Session factory

b) Session interface

c) Application context

5) embedded database using

a) H2

b) h2

c) h1

d) H1

6) Which is declaration of transaction demarcation requirements using annotations?

a) <tx:annotation-class>

b) <tx:annotated-driven>

c) <tx:annotation-driven>

7) "depth" commonly used value is?

a) 3

b) 4

c) 5

8) "@Entity" which means that this is a mapped-

a) java class

b) entity object

c) entity class

9) "@Temporal" means we would like to map The data type from the Java date type

a) date type

b) object type

c) string type

10) HQL means?

a) Hibernate Query Language

b) Hipertext Query Language

c) Hiperlink Query Language

11) which means we want the transaction to be set as read-only?

a) readOnly=true

b) readOnly=false

c) readOnly=yes

d) readOnly=no

12) which means that Hibernate will not join the association tables for records?

a) throw the IoException

b) throw the InitializationException

c) throw the LazyInitializationException

13) Hibernate covered common techniques for defining ------- mappings

a) ORM

b) MVC

c) JVM

14) Spring was developed to embrace POJO base development.

A. True

B. False

15) What is the main objective of an ORM library?

A. Close the gap between the relational data structure in the RDBMS and the OO model

B. Close the gap between the hibernate and sql

C. Close the gap between the OO model and hibernate

D. None of the above

16) From EJB 2.5, the EJB entity bean was replaced with the Java Persistence (JPA)

A. True

B. False

17) POJO stand for?

a. Plain Old Java Object

b. Pre old java object

c. Plain order java object

18) The relationship between hibernate and JPA is very close True or False?

a. True

b. False

19) When we use the AnnotationSessionFactoryBean \_\_\_\_

a. Then use Xml annotation support

b. Then use Hibernate annotation support

c. None of the above

20) How many approaches are there to the mapping Hibernate Annotations?

a. One

b. Two

c. Three

21) Which one is correct method for deleting data?

a. Public void delete(Contact contact){

sessionFactory.getCurentSession().delete(contact);

log.info(“contact delete with id: ” + contact.getId());

}

b. Public void delete(Contact contact){

sessionFactory.getCurentSession().delete();

log.info(“contact delete with id: ” + contact.getId());

}

c. Public void delete(Contact contact){

sessionFactory.getCurentSession().delete(delete());

log.info(“contact delete with id: ” + contact.getId());

}

22) Object-Relational Mapping libraries that has wide support in spring

a) Hibernate

b) JDBC

c) JPA

d) ODBC

23) JDO stands for

a) Java Data Object

b) Java Database Object

c) None

24) Popular ORM libraries are ….

a) Hibernate

b) TopLink

c) JDO

d) None

25) Who is the founder of Hibernate?

a) Rod Johnson

b) John Hibernate

c) Gavin King

d) Gavin Smith

26) Annotation approach is much more popular approach.

a) True

b) False

27) Hibernate has the capability to model a lot of different kinds of….

a) Generation

b) Performance

c) Associations

d) Above all

28) Who is the founder of Spring3?

A. Rod Johnson

B. John Hibernate

C. Gavin King

D. Gavin Smith

Chapter 10

1. JPA means \_\_?

A. Java Processing Approach

B. Java Persistence Applied

C. Java Persistence API

D. None

2. STS means \_\_?

A. Spring Tool Showcase

B. Spring Tool Suits

C. Spring Technical Support

D. Spring Tool Setting

3. Which are the class level architecture of JPA?

A. EntityManagerFactory

B. EntityTransaction

C. Component scan

D. A & B

4. Which is creates and manages multiple EntityManager instances.

A. EntityManagerFactory

B. EntityTransaction

C. Persistence

D. None

5. This class contain static methods to obtain EntityManagerFactory instance.

A. EntityManagerFactory class

B. EntityTransaction class

C. Persistence class

D. None

6. Which is the persistence objects, stores as records in the database.

A. EntityManagerFactory

B. EntityTransaction

C. Persistence

D. Entity

7. The relationship between EntityManagerFactory and EntityManager is \_\_?

A. one-to-many

B. one-to-one

C. None

8. The relationship between EntityManager and EntityTransaction is \_\_?

A. one-to-many

B. one-to-one

C. None

9. The relationship between EntityManager and Entity is \_\_?

A. one-to-many

B. one-to-one

C. None