## **MCQs on Java Application Development part-2**

1. **Which of the following is not a core interface of Hibernate?**
2. Configuration
3. Criteria
4. SessionManagement
5. Session

**Ans: C**

Explanation: SessionManagement is not a core interface of Hibernate. Configuration, Criteria, SessionFactory, Session, Query and Transaction are the core interfaces of Hibernate.

**2. SessionFactory is a thread-safe object.**

1. True
2. False

**Ans: A**

Explanation: SessionFactory is a thread-safe object. Multiple threads can access it simultaneously.

**3. Which of the following methods returns a proxy object?**

1. loadDatabase()
2. getDatabase()
3. load()
4. get()

**Ans: C**

Explanation: load() method returns proxy object. load() method should be used if it is sure that instance exists.

**4. Which of the following methods always hits the database?**

1. load()
2. loadDatabase()
3. getDatabase()
4. get()

**Ans: D**

Explanation: get() method hits database always. Also, get() method does not return a proxy object.

**5. Which of the following methods is used inside the session only?**

1. merge()
2. update()
3. end()
4. kill()

**Ans: B**

Explanation: update() method can only be used inside a session. update() should be used if the session does not contain persistent object.

**6. Which of the following is not a state of object in Hibernate?**

1. Attached()
2. Detached()
3. Persistent()
4. Transient()

**Ans: A**

Explanation: Attached() is not a state of object in Hibernate. Detached(), Persistent() and Transient() are the only states in Hibernate.

**7. Which of the following is not an inheritance mapping strategy?**

1. Table per hierarchy
2. Table per concrete class
3. Table per subclass
4. Table per class

**Ans: D**

Explanation: Table per class is not an inheritance mapping strategy.

**8. Which of the following is not an advantage of using Hibernate Query Language?**

1. Database independent
2. Easy to write query
3. No need to learn SQL
4. Difficult to implement

**Ans: D**

Explanation: HQL is easy to implement. Also, to implement HQL it is not dependent on a database platform.

**9. In which file database table configuration is stored?**

1. .dbm
2. .hbm
3. .ora
4. .sql

**Ans: B**

Explanation: Database table configuration is stored in a .hbm file.

**10. Which of the following is not an advantage of Hibernate Criteria API?**

1. Allows to use aggregate functions
2. Cannot order the result set
3. Allows to fetch only selected columns of result
4. Can add conditions while fetching results

**Ans: B**

Explanation: addOrder() can be used for ordering the results.

**11. What is the purpose of the Spring MVC module?**

1. To provide a web framework for building web applications
2. To provide a data access framework for accessing databases
3. To provide a caching framework for caching data
4. To provide a security framework for securing web applications

**Ans: A**

**12. Different ways to inject Spring beans in Spring-based applications?**

1. Constructor based
2. Setter based
3. Field-based
4. All of the above

**Ans: D**