Assessment – Advanced Java

1. What is the factory class in JAXB that can be used to create Marshaller and Unmarshaller? Give one of the various options available to create an instance of that factory.
2. How do you specify the name of the element tag corresponding to a class when it is the root element in the XML?
3. How do you convert Java object to JSON?
4. Which interface should you implement to specify how a Java object should be serialized as string in JSON?
5. How do you support (or what are the high level steps to support) a transaction using plain JDBC?
6. Which class do you use to support JDBC connection pooling?
7. How do you create a thread pool?
8. What are the different ways to submit asynchronous tasks in thread pool?
9. In a shopping cart application, where do you store the products added to the cart before the user checks out?
10. In a shopping cart application, if you want to keep a cache of top 5 products being sold in the system, where do you store?
11. In a system, I wanted to show recently purchased products by the user instead of storing that in database, where I can I store it and how can I retrieve it? I am interested in storing this data in the client.
12. How do I register a method to handle an AJAX response from the server?