

Quiz 2 (Duration: 2 hours)

1. What are the methods for Jersey Rest service and what's the meaning of them?
2. What is the difference between controller and rest controller?
3. How do you make sure your REST service can return both JSON and XML format data?
4. Explain what is cookie and session and when to use which one.
5. What is CORS issue and how do you resolve it?
6. List the meaning of http error code: 400, 404, 500
7. What is the difference between ApplicationContext and BeanFactory?
8. List the scopes of a spring bean and the meaning of each.
9. What is the 4 properties in a "data source" configuration?
10. Suppose there are two instances of "EmployeeUtils" in spring bean definitions, one is "publicUtil" and the other one is "privateUtil". How to inject the "publicUtil" to controller?
11. What are the types of dependency injection?
12. What are the annotations to use on Service and DAO class so that Spring can recognize them?
13. How do you create a brand new spring boot project that can do rest service and use jpa to connect to database? Describe the steps.
14. Following Problem 13, in the spring boot project, You are given URL:
<http://catalog-es-service.prod.walmart.com/es-service/product/0212/search?sourceld=all&logloc=stack011>
in which, 0212 is product sequence, sourceld is product source, logloc is production location
Write a controller ("ItemViewController") and retrieve the product information. Suppose the product class and service class have been created for you. Add all annotations.
15. Following Problem 14, **Write the service**(ItemViewService) class and delegate the logic to DAO (ItemDao) class method. You will need to inject the Dao class to this service. Add all annotations.
16. Following Problem 15, suppose you are injecting a helper(ItemViewHelper) class into the service class. Use XML and annotation separately to **define and inject** the helper class into service class. Do not mix XML and annotation.
17. In spring boot application.properties, there is an entry defined as: walmart.es.service=financial
Write a complete code to get the value "financial" in service class.