Spring Test

1. What is a microservice?

A design used primarily in functional programming and object-oriented programming

B small program that represents discrete logic that executes within a well-defined boundary on dedicated hardware

C style of design for enterprise systems based on a loosely coupled component architecture

D very small piece of code that never gets any bigger than 10 lines

1. When would developers use microservices?

A When they want to write cell phone applications that run quickly

B When they work with ephemeral nano technology

C When they need to create large, enterprise-level applications that are subject to changes on a frequent basis

D When they create applications specifically for scientific test equipment

1. Which of the following responses is an advantage of microservices?

A Any microservice component can change independently from other components

B They don't require a lot of expertise to program

C They're so small that developers can typically write very powerful ones with a few lines of text

1. Which of the following responses is a disadvantage of microservices?

A Microservices are very difficult to manage at scale

B Microservices require a lot of monitoring to operate effectively

C Neither A nor B

D Both A and B

1. What is the role of config server in microservice

A centralize configuration support

B It provides IP Gateway support

C Provides Load Balancer

D Support role based access

1. What are some technologies commonly used to implement microservices?

A Docker

B Kubernetes

C All the above

C None of the above

1. What is a popular Java framework to develop microservices?

A Spring Boot

B Eclipse MicroProfile

C Both A and B

D None of the above

8 When would a microservices architecture be favorable for a company?

A If a cloud architecture requires scalability.

B If an application would benefit from low coupling.

C A and B.

D None of the above.

9 Microservices are only meant for smaller businesses.

A True

B False

**Q 10- What is bean autowiring?**

**A - Autowiring lets Spring resolve collaborators (other beans) for your bean by inspecting the contents of the BeanFactory without using <constructor-arg> and <property> elements.**

**B - Autowiring injects values in spring beans.**

**C - Autowiring injects one bean into another.**

**D - Autowiring helps in wiring a list of values, allowing duplicates.**

**Q 11 - How to get object of a service in spring framework?**

**A - Using new keyword**

**B - Using dependency injection**

**Q 12 - By default a bean is lazily loaded.**

**A - True**

**B – False**

13. Which attribute is used to set the scope of the bean?  
a) setScope  
b) scope  
c) getScope  
d) none of the mentioned

14. JUnit 4 allows you to annotate your test methods with:-  
a) @Test  
b) @Autowire  
c) @JTest  
d) None of the mentioned

15. Accessing a third-party REST service inside a Spring application.  
a) RestTemplate Class  
b) ViewResolver  
c) InternalViewResolver  
d) View

1. Which one is used as API gatewayused in microservices
2. Zuul
3. Sleuth
4. Zipkin
5. cloudera
6. which interface to extend for Spring JPA
7. JpaRepository
8. CRUDRepository
9. ORMRepository
10. SpringRepository
11. Which among these is an applications server provided by Spring Boot?
12. Embedded Tomcat
13. Jetty
14. Undertow
15. Binary link
16. Which is a peculiar quality of the Spring Boot platform?

It is scalable

It is micro-service ready

It is macro-service ready

Undecided