Question	Correct Answer
What is the primary purpose of Spring Cloud Config? A. To provide load balancing B. To implement security C. To discover services D. To manage external configuration files	To manage external configuration files
What is the purpose of PasswordEncoder in Spring Security? A. To hash the password B. To decode the password C. To store the password D. To encrypt the password	To hash the password
What is the purpose of Spring Cloud Gateway? A. To manage service discovery B. To act as a reverse proxy and route API requests C. To handle authentication D. To manage centralized configuration	To act as a reverse proxy and route API requests
Which interface does Spring use to handle events? Select one: A. ApplicationEventPublisher B. ApplicationContext C. ApplicationListener D. EventPublisher	ApplicationListener
Which annotation is used for method-level security in Spring Security? A. @RolesAllowed B. @PreAuthorize C. @Secured D. @Security	@PreAuthorize
What is the default port for Spring Boot applications? A. 80 B. 8080 C. 8081 D. 3000	8080

What is the default scope of a Spring bean? A. Request B. Prototype C. Session D. Singleton	Singleton
Which method is used to configure HTTP security in Spring Security? A. configure(HttpSecurity http) B. httpSecurity() C. Configure(AuthenticationManagerBuilder auth) D. authorizeRequests()	configure(HttpSecurity http)
Which interface does Spring Data JPA provide for simple CRUD operations? A. JpaRepository B. JdbcTemplate C. CrudRepository D. MongoRepository	CrudRepository
What is the main purpose of using the JpaRepository interface in Spring Data JPA? A. To handle transaction management B. To define custom queries C. To configure the database connection D. To provide CRUD operations	To provide CRUD operations
What is the role of Spring Cloud Gateway in microservices architecture? A. Service registry B. API Gateway for routing requests C. Circuit breaker functionality D. Database connection pool manager	API Gateway for routing requests
How do you specify a specific profile in Spring Boot? A. By setting environment variables B.By setting the spring.profiles.active property C. By using @Profile annotation D. By using application.properties	By setting the spring.profiles.active property

Which Spring Security class is used to configure the security of an application? A. WebSecurity ConfigurerAdapter B. SecurityConfigurerAdapter C. SecurityContext D. SecurityFilterChain	SecurityFilterChain
Which component in Spring Cloud handles service registration and discovery? A. Eureka B. Ribbon C. Hystrix D. Zuul	Eureka
Which file is used to configure a Spring Boot application? A. config.properties B. application.yml C. application.properties D. settings.xml	application.properties
Which annotation is used to create a Spring Bean? A. @Component B. @Bean C. @Service D. @Autowired	@Bean
What is the main use of Spring Cloud Config? A. To manage external configurations B. To manage service discovery C. To route API requests D. To secure microservices	To manage external configurations
What does the @ld annotation signify in JPA? A. It defines the primary key B. It marks a column as unique C. It marks a column to be indexed D. It signifies a foreign key	It defines the primary key
Which of the following is used for basic authentication in Spring Security?	

A. HttpBasicAuthentication B. BasicSecurityFilter C. BasicAuthenticationFilter D. BasicAuthentication Provider	BasicAuthenticationFilter
What is the purpose of Spring Cloud Config? A. To manage cloud-based data B. To handle centralized configuration management C. To implement service discovery D. To implement distributed tracing	To handle centralized configuration management
Which of the following is the default security mechanism in Spring Security? A. Basic Authentication B. Digest Authentication C. Form-based Authentication D. OAuth2	Basic Authentication
Which annotation is used to define a configuration class in Spring? A. @Controller B. @Service C. @Component D. @Configuration	@Configuration
Which annotation is used to create a RESTful web service in Spring Boot? A. @WebService B. @Controller C. @Service D. @RestController	@RestController
Which of the following is used to declare a Spring bean in a configuration class A. @Component B. @Bean C. @Configuration D. @Service	@Bean
Which class is used to configure HTTP security in Spring Security? A. SecurityConfigurer B. SecurityContext C. SecurityManager D. HttpSecurity	HttpSecurity

What does Spring Boot's @EnableAutoConfiguration annotation do? A. It configures the database B. It enables automatic configuration of Spring Beans C. It enables Spring Data JPA D.It automatically configures security	It enables automatic configuration of Spring Beans
Which class is used to configure Spring Security in a web application? A. Security ConfigurerAdapter B. SecurityFilterChain C. SecurityContext D. WebSecurityConfigurerAdapter	WebSecurityConfigurerAdapter
What is the purpose of @Query annotation in Spring Data JPA? A. To define join conditions B. To write custom SQL queries C. To update database D. To execute stored procedures	To write custom SQL queries
What is the purpose of the @EnableAutoConfiguration annotation in Spring Boot? A. It automatically configures Spring beans B. It manages web requests C. It configures the database D. It disables automatic configuration	It automatically configures Spring beans
What does the @ld annotation signify in JPA? A. It marks a column as unique B. It defines the primary Key C. It signifies a foreign key D. It marks a column to be indexed	It defines the primary Key
What does @Transactional annotation do in Spring? A. It opens a new session B. It prevents transaction rollback C. It starts a new transaction D. It commits a transaction	It starts a new transaction
Which of the following is the entry point for a Spring Boot application? A. @EnableAutoConfiguration	@SpringBootApplication

B. @SpringBootApplication C. @Configuration D. @ComponentScan	
Which Spring project provides a framework for building distributed systems? A. Spring Security B. Spring Cloud C. Spring Data JPA D. Spring Boot	Spring Cloud