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Spring Professional Develop











Question: 10

Which two statements are correct regarding the Health Indicator status? (Choose two.)

- A. The last status in a sorted list of HealthIndicators is used to derive the final system health.
- B. The status with the least severity is used as the top-level status.
- C. Custom status values can be created.
- D. The built-in status values are DOWN, OUT_OF_SERVICE, UNKNOWN, and UP in decreasing order of severity.
- E. The severity order cannot be changed due to security reasons.

Answer: A,C,D

Explanation:

Reference: https://docs.spring.io/spring-boot/docs/1.5.x/reference/html/production-ready-endpoints.html

Question: 11

What is a Spring Boot starter dependency? (Choose the best answer.)

- A. A setting for specifying which code you want Spring Boot to generate for you.
- B. A specific POM which you must build to control Spring Bootâs opinionated runtime.
- C. A pre-existing model project you can download and use as the basis of your project.
- D. An easy way to include multiple, coordinated dependencies related to a specific technology, like web or JDB

Answer: D

Explanation:

Reference: https://developer.ibm.com/tutorials/j-spring-boot-basics-perry/

Question: 12

Which option is true about use of mocks in a Spring Boot web slice test? (Choose the best answer.)

- A. Mocking a Spring Bean requires annotating it with @MockBean annotation.
- B. If a Spring Bean already exists in the web slice test spring context, it cannot be mocked.
- C. Mocks cannot be used in a Spring Boot web slice test.
- D. Mocking a Spring Bean requires annotating it with @Mock annotation.

Answer: A

Explanation:

Reference: https://tanzu.vmware.com/developer/guides/spring-boot-testing/

Question: 13

What two options are auto-configured Spring Boot Actuator HealthIndicators? (Choose two.)

- A. DataSourceHealthIndicator
- B. GoogleCloudDataStoreHealthIndicator
- C. DynamoDBHealthIndicator
- D. RabbitHealthIndicator
- E. OktaHealthIndicator

Answer: A,D

Explanation:

Reference: https://docs.spring.io/spring-boot/docs/1.5.x/reference/html/production-ready-endpoints.html

Question: 14

Which two statements are correct regarding Spring Boot 2.x Actuator Metrics? (Choose two.)

- A. An external monitoring system must be used with Actuator.
- B. The metrics endpoint /actuator/metrics is exposed over HTTP by default.
- C. Timer measures both the number of timed events and the total time of all events timed.
- D. Custom metrics can be measured using Meter primitives such as Counter, Gauge, Timer, and Distribution Summary.
- E. A metric must be created with one or more tags.

Answer: A,B

Question: 15

Which two statements describe Spring JdbcTemplate? (Choose two.)

- A. All JdbcTemplate methods throw SQLException which you are required to handle.
- B. The JdbcTemplate provides the ability to work with result sets.
- C. The JdbcTemplate can only perform update but not insert to the database.

- D. The JdbcTemplate provides methods for query execution.
- E. The JdbcTemplate generates SQL statements.

Answer: A,B,E

Explanation:

Reference: https://www.baeldung.com/spring-jdbctemplate-in-list

Question: 16

Which statement describes the @AfterReturning advice type? (Choose the best answer.)

- A. The advice is invoked only if the method returns successfully but not if it throws an exception.
- B. The @AfterReturning advice allows behavior to be added after a method returns even if it throws an exception.
- C. The advice has complete control over the method invocation; it could even prevent the method from being called at all.
- D. Typically used to prevent any exception, thrown by the advised method, from propagating up the call-stack.

Answer: A

Explanation:

Reference: https://www.amitph.com/spring-aop-afterreturning-advice

Question: 17

Which two statements are true regarding @DataJpaTest? (Choose two.)

- A. TestEntityManager provides all methods that are provided by EntityManager and more.
- B. If an embedded database is on the classpath, it will be used to configure a DataSource by default.
- C. It can be used for testing both JPA components and NoSQL components.
- D. It auto-configures a TestEntityManager bean.
- E. It can be used for testing JdbcTemplate.

Answer: A,B,D

Explanation:

Reference: https://docs.spring.io/spring-

boot/docs/current/api/org/springframework/boot/test/autoconfigure/orm/jpa/DataJpaTest.html

Question: 18

Refer to the exhibit.

```
@RestController
public class OrderController {
    ...
    @PutMapping("/store/orders/{id}")
    void update(@PathVariable String id, @RequestBody Order order) {
        ...
    }
}
```

How can a response status code be set for No Content (204)? (Choose the best answer.)

- A. Annotate the update() handler method with @PutMapping(â/store/orders/{idâ}â, HttpStatus.NO_CONTENT).
- B. Annotate the update() handler method with @ResponseStatus(HttpStatus.NO CONTENT).
- C. Annotate the update() handler method with @ResponseEntity(204).
- D. The update() handler method cannot return a void type, it must return a ResponseEntity type.

Answer: C

Explanation:

Reference: https://stackoverflow.com/questions/55691288/is-this-the-correct-way-to-return-204-no-content- using-spring

Question: 19

Which three statements are advantages of using Springâs Dependency Injection? (Choose three.)

- A. Dependency injection can make code easier to trace because it couples behavior with construction.
- B. Dependency injection reduces the start-up time of an application.
- C. Dependencies between application components can be managed external to the components.
- D. Configuration can be externalized and centralized in a small set of files.
- E. Dependency injection creates tight coupling between components.
- F. Dependency injection facilitates loose coupling between components.

Answer: A,B,D,E

Explanation:

Reference: https://raviroza.com/tight-coupling-and-loose-coupling-in-spring-framework/

Question: 20

Which three types can be used as @Controller method arguments? (Choose three.)

- A. Locale
- B. Principal
- C. Language
- D. Session

E. Request F. HttpSession

Answer: A,E,F

Explanation:

 $Reference: \ https://docs.spring.io/spring-framework/docs/3.0.0.M4/spring-framework-reference/html/ch15s03.html. \\$

SAMPLE QUESTIONS



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