

Instructions



How is it going ? Do you have problems with practical tasks ? Any concerns with learning materials ?

0 responses

Today's agenda

- Total Recall
- Spring Framework
- Quiz
- Questions

Total Recall

What do you remember from the previous workshop ?

@RequiredArgsConstructor
something with this

IoC container

What is core component of Spring Framework that provides the basic functionality for configuration and dependency injection?

5 ✓

0 ✗

A) Hibernate.

0 ✗

B) Spring MVC.

0 ✗

D) Spring AOP.

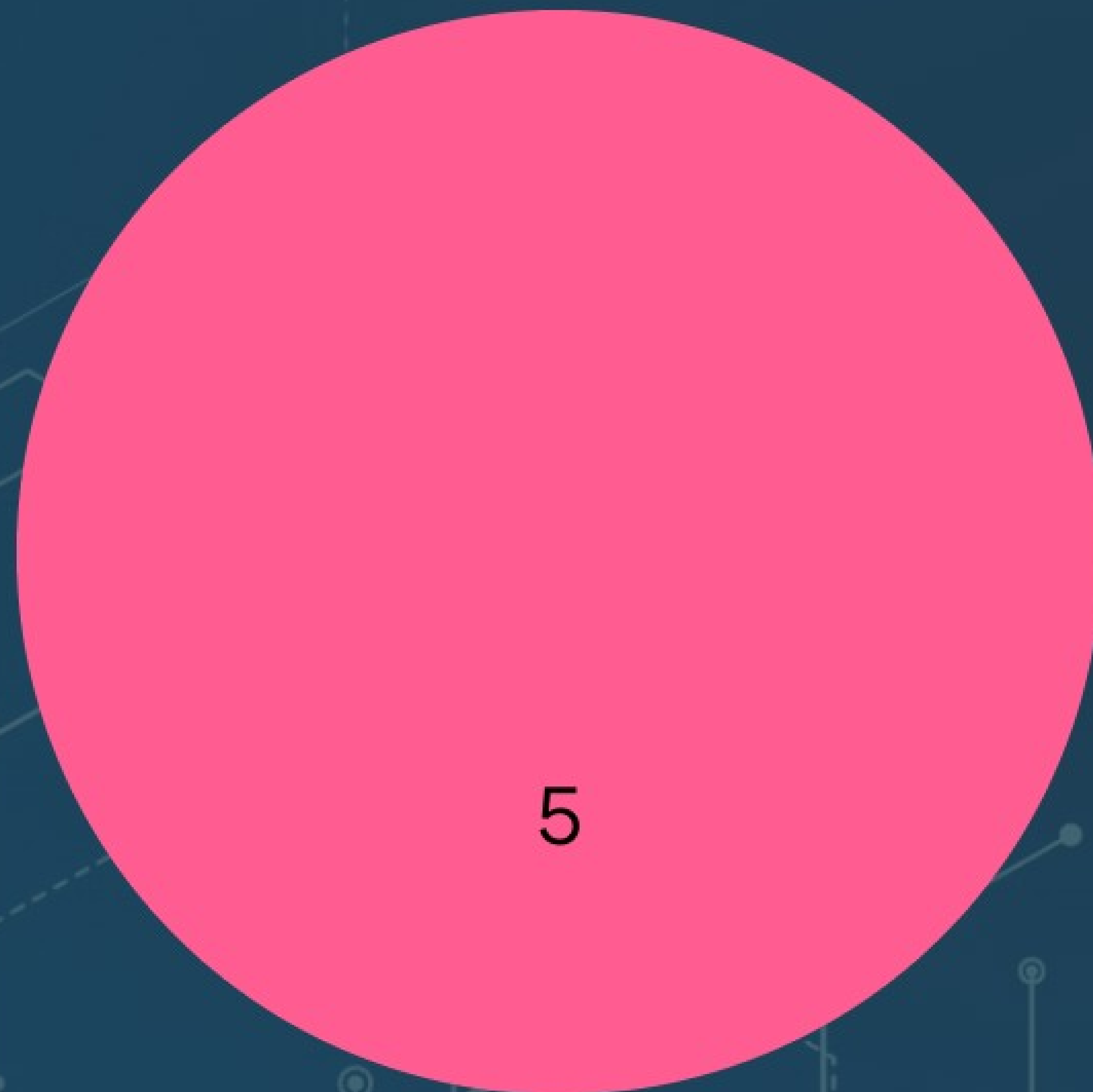
C) Spring Container.

Which of the following is NOT a type of IoC container provided by the Spring Framework?



- | | | |
|--|---------------------------|--------------------------------------|
| ■ 0 | A) BeanFactory. | ✗ |
| ■ 0 | B) ApplicationContext. | ✗ |
| ■ 0 | C) WebApplicationContext. | ✗ |
| ■ 5 | D) ConfigurationManager. | ✓ |

Which configuration approach can be used to define beans for the IoC container in Spring?



- | | | |
|---------------------------------------|------------------------------------|----------------------------------|
| <input type="checkbox"/> 0 | A) XML-based configuration. | <input type="radio"/> |
| <input type="checkbox"/> 0 | B) Annotation-based configuration. | <input type="radio"/> |
| <input type="checkbox"/> 0 | C) Java-based configuration. | <input type="radio"/> |
| <input checked="" type="checkbox"/> 5 | D) All of the above. | <input checked="" type="radio"/> |

Which of the following is NOT a method of implementing dependency injection in Spring?

0
A) Setter Injection.



0
B) Constructor Injection.



1
C) Method Injection.



5
D) Property Injection (Java Reflection).



In annotation-based configuration, which annotation marks a class as a Spring-managed bean that can have its dependencies injected?

4 ✓



0 ✗

A) @Autowired.

0 ✗

B) @Component.

0 ✗

C) @Inject.

1 ✗

D) @Service.

Spring Core (ws-16)

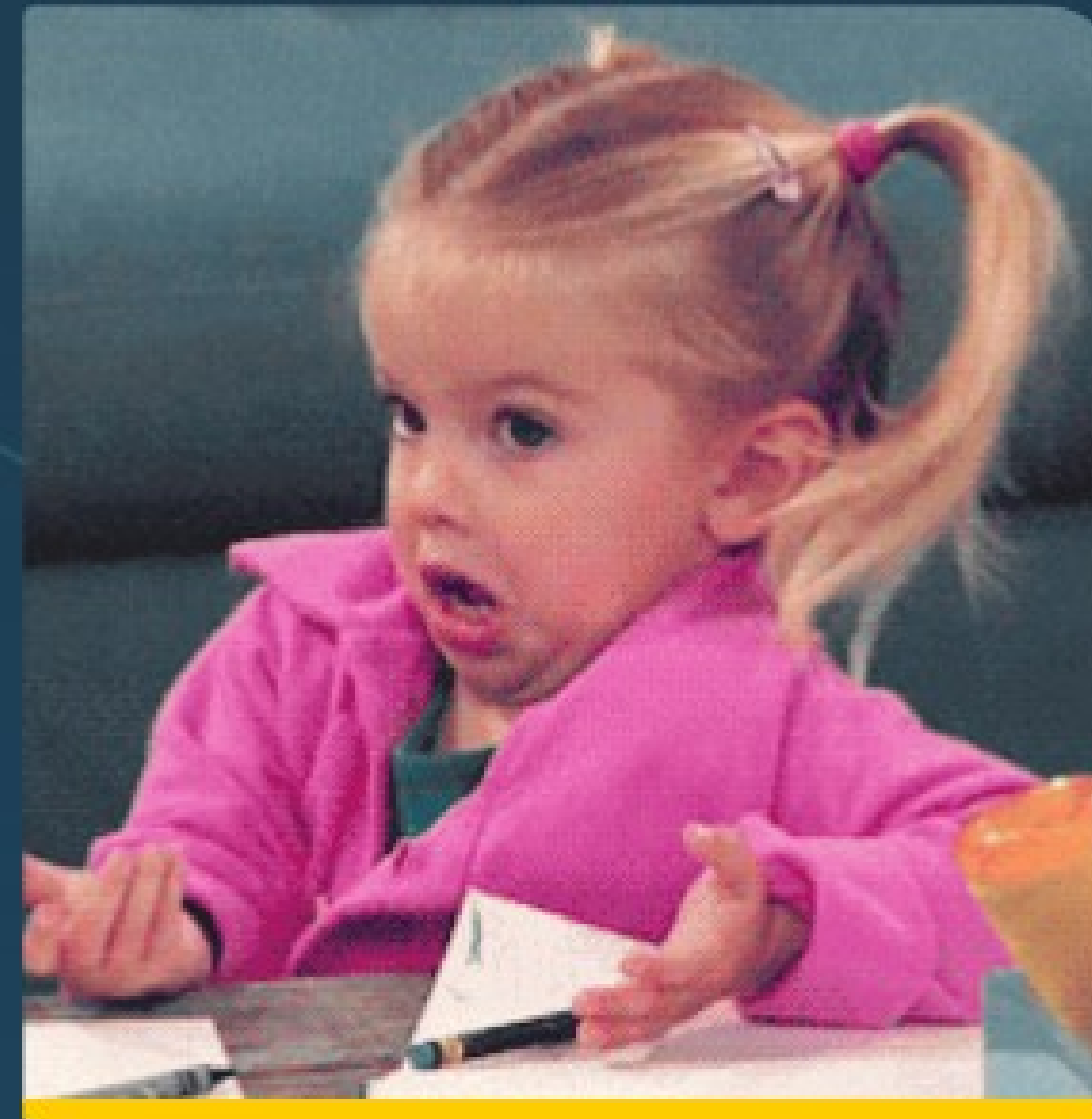
SERVLET

Have you started 'Spring Core'?

2

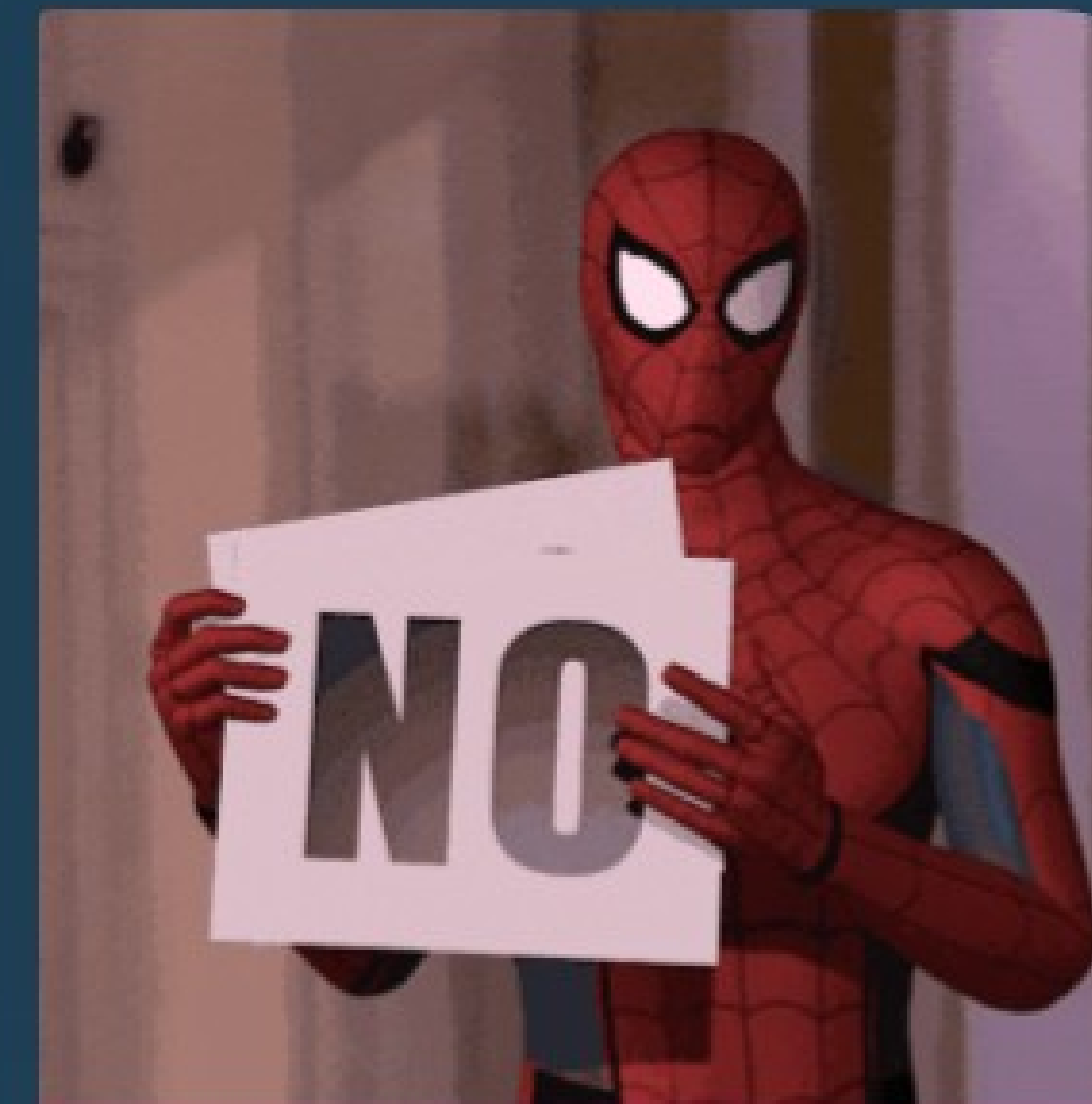
yessssssss

0

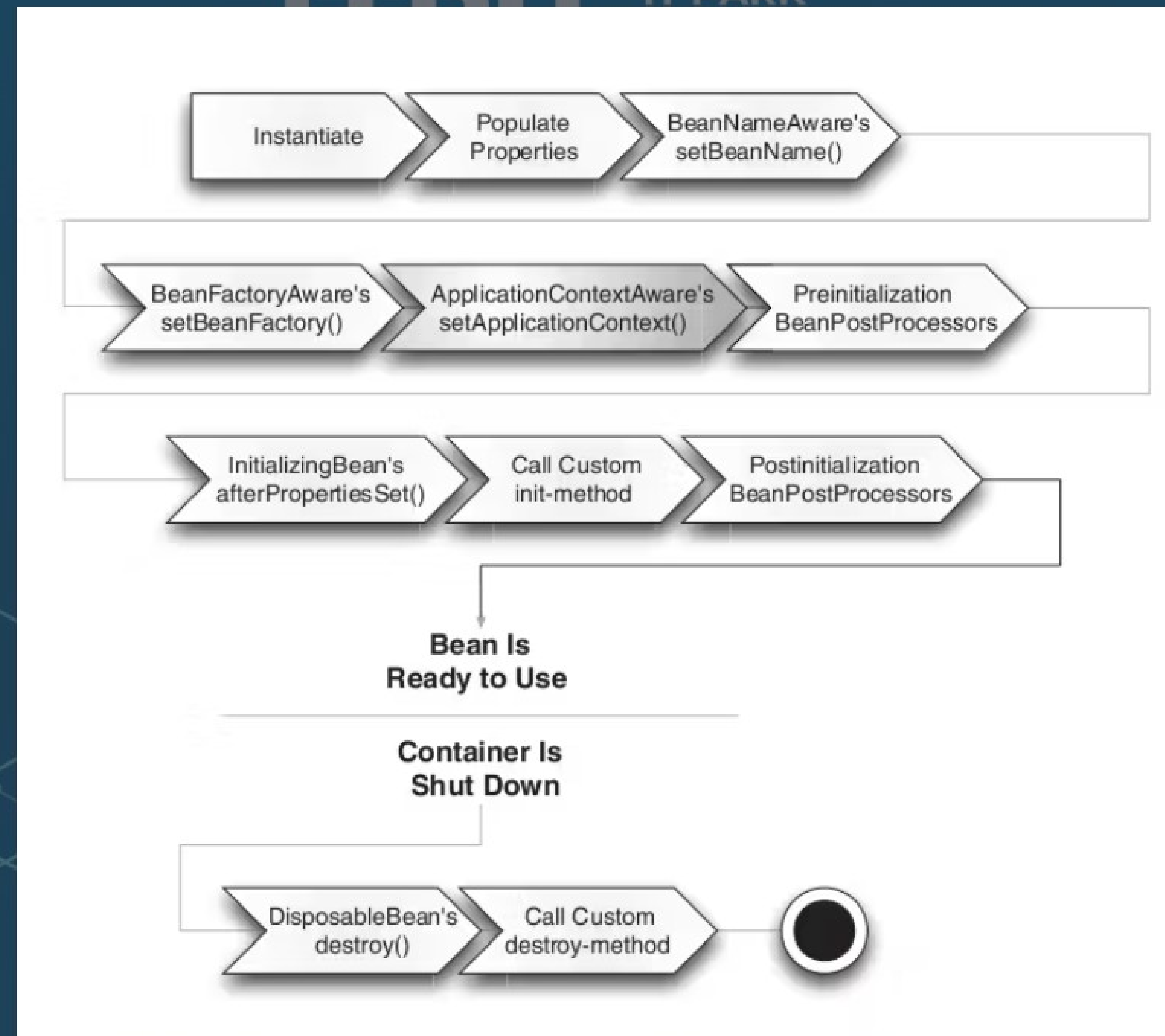


?!?!?!?!?!?!?!?!?!?!?!?!?!?!?!?

2



noooooooo



Spring bean lifecycle

Spring bean lifecycle

Spring

practice...

Quiz

What is the default scope of a Spring bean?

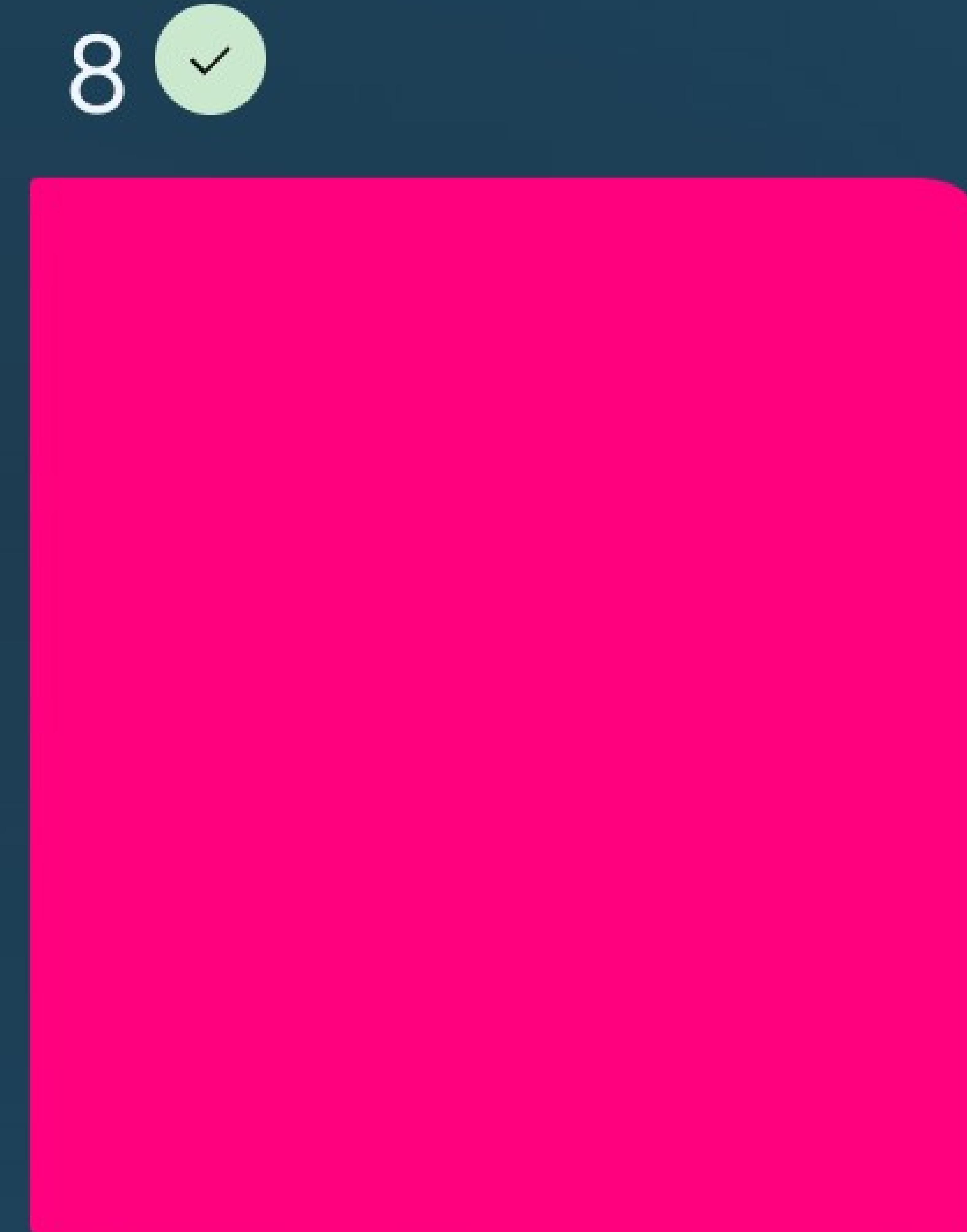
8 ✓

1 ✗

A) Prototype.

0 ✗

B) Request.



C) Singleton.

0 ✗

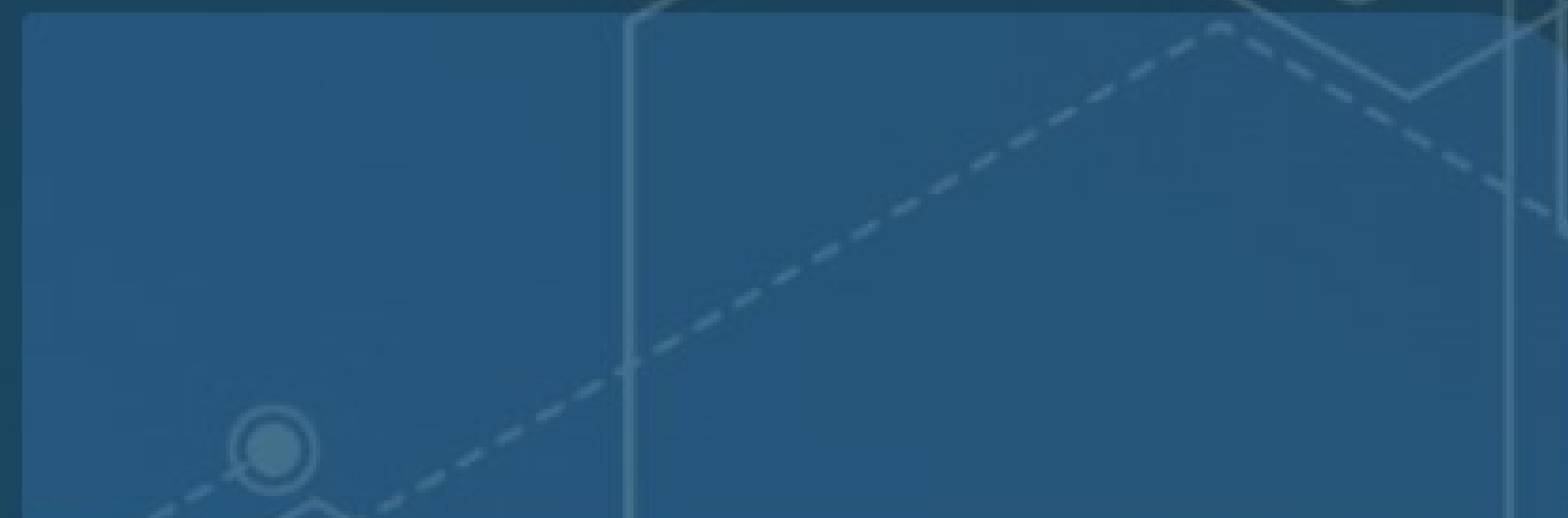
D) Session.

Which Spring bean scope creates a new bean instance for every HTTP request in a web application?

7 ✓



2 ✗



A) Prototype.

1 ✗



C) Singleton.

0 ✗



D) Application.

B) Request.

At what point in the Spring Bean lifecycle is the @PostConstruct annotation triggered?

6 ✓

2 ✗

0 ✗

0 ✗

A) Before the bean is destroyed.

B) Immediately after bean is instantiated but before properties set

C) After bean properties have been set and bean is fully initialized.

D) During bean destruction.

What role does the ApplicationContext play in the Spring Framework?

7 ✓



1 ✗



A) It only manages the HTTP requests in a Spring web application.

2 ✗



C) It stores user authentication details for applications.

0 ✗



D) It performs database operations in the background.

B) It provides the IoC container and manages the lifecycle of beans.

Which method is called in the Spring bean lifecycle just before the destruction of a bean?

8 ✓

0 ✗

A) `@PostConstruct``.

1 ✗

B) ``destroy()`.

C) `@PreDestroy``.

0 ✗

D) ``init()`.

Which annotation is used to define a Spring bean in a Java-based configuration?

9 ✓



0 ✗

A) `@Controller`.

1 ✗

B) `@ComponentScan`.

C) `@Bean`.

0 ✗

D) `@Service`.

Which of the following is NOT a valid Spring bean scope?

1



A) Singleton.

0



B) Prototype.

5



C) Factory.

2



D) WebSocket.

What happens when a bean is defined in the "prototype" scope in Spring?

4



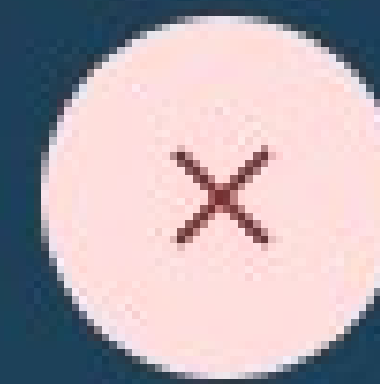
A) Only one instance of the bean is created per Spring IoC container.

6



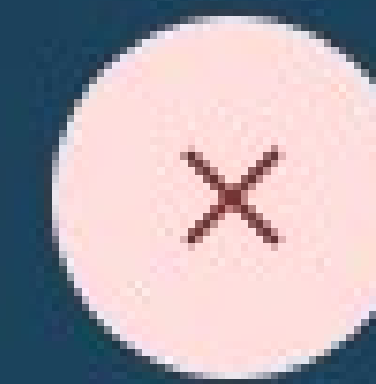
B) A new bean instance is created each time it is requested.

0



C) The bean is scoped to an HTTP session.

0



D) The bean instance persists across all HTTP requests.

Which of the following rules applies when using both "by type" and "by name" for dependency resolution in Spring?

1



A) "By type" takes precedence over "by name" if a matching type exists

4



B) "By name" overrides "by type" even if type matches multiple beans

5



C) Both "by type" ,"by name" must be explicitly defined in annotations

0



D) Spring ignores rules if ambiguous dependencies exist in IoC Container

What dependency injection 'rules' do you know?

6 ✓



A) by type

1 ✗



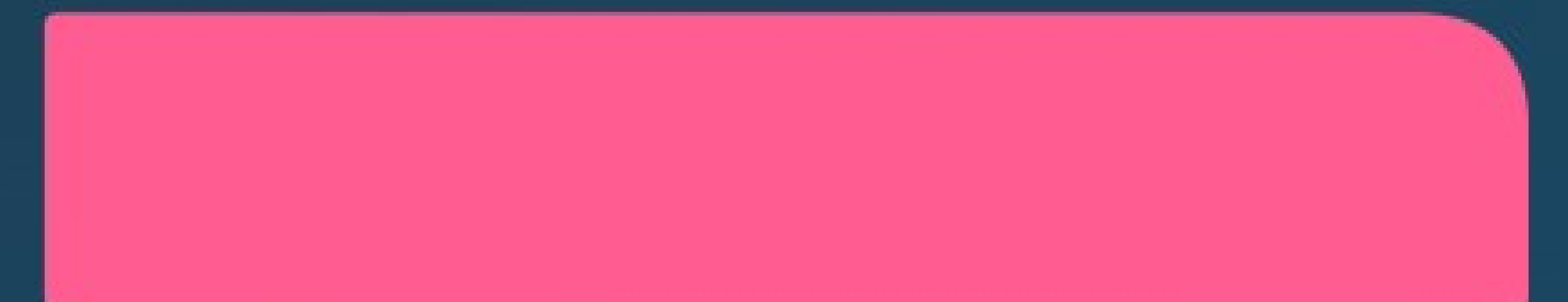
B) by package

0 ✗



C) by the way

1 ✓



D) by name

Quiz leaderboard



Next time: Spring MVC

Questions?

