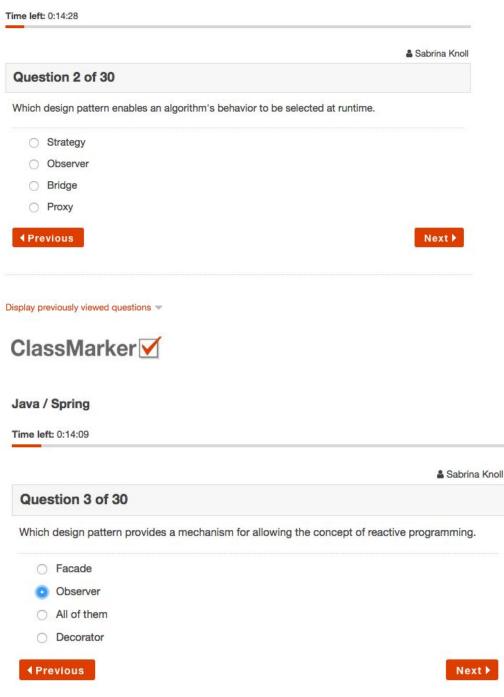
### **EDGELAB INTERVIEW**



# Java / Spring Time left: 0:14:53 Sabrina Knoll Question 1 of 30 What is the underlying design pattern behind Aspect Oriented Programming? Decorator Builder Singleton Prototype



# Java / Spring Time left: 0:14:28



### Question 4 of 30

What best describes the following code?

```
class Rectangle {
   double getArea(double length, double width) {
     return length * width;
   }
}
class Square extends Rectangle {
   double getArea(double size) {
     return size^2;
   }
}
```

- Overriding
- Encapsulation
- Overloading
- Abstraction

**♦ Previous** 

Next ▶

### Java / Spring

Time left: 0:12:24

Sabrina Knoll

### Question 5 of 30

Which statements are true about comparing two instances of the same class, given that the equals() and hashCode() methods have been properly overridden? (Choose all that apply.)

- A) If the equals() method returns true, the hashCode() comparison == might return false
- B) If the equals() method returns false, the hashCode() comparison == might return true
- C) If the hashCode() comparison == returns true, the equals() method must return true
- D) If the hashCode() comparison == returns true, the equals() method might return true

**♦** Previous

Time left: 0:12:13

		≗ Sabrina Knol
Ques	stion 6 of 30	
Which	are primitive data type in Java ?	
	Boolean	
	float	
	String	
	long	
	int	
	bool	
	char	

Time left: 0:11:58

Question 7 of 30

Please fill in the following:

public \_\_\_\_\_ Test {
 private int value1;
 private int value2;
 abstract int add (int v1, int v2);
}

interface

abstract interface
final class
abstract class

Next ▶

Time left: 0:11:48

	of the following annotations are supported by Spring framework?  @Service	
0		
	@Contine	
	@Service	
	@Remote	
	@Inject	
	@Stateless	
	@Repository	
	@PostConstruct	
	@Dao	
	@Public	
( D.	evious	Next ▶
APIE	ivious	Next
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Ques	stion 9 of 30	
Based	on the following code, which one is correct?	
	Animal {} Dog extends Animal {}	
0	Animal a = new Dog();	
0	Dog d = new Animal();	
	Both	
( )	ACCOMM.	
0	None	
0	None	

Sabrina Knoll Question 10 of 30 Is the following code correct? interface GeometricShape{...} class Rectangle implements GeometricShape{...} class Square extends Rectangle{...} GeometricShape gs1 = new GeometricShape(); Rectangle rect1 = new Square(); GeometricShape gs2 = new Square(); No, because gs2 cannot be a square. No, because neither gs2 nor rect1 can be Square. No, because rect1 cannot be a square. No, because GeometricShape cannot be instantiated. **♦ Previous** Next ▶ Java / Spring Time left: 0:11:16 & Sabrina Knoll Question 11 of 30 With Spring, how can you configure dependency injection? Using XML configuration file Using annotations Using JSON configuration file Using reflection **♦ Previous** Next >

& Sabrina Knoll

Question 12 of 30	
Is this object instantiated when constructor is called ?	
class Test {	
String value;	
Test() {	
value = null;	
}	
String getValue(){	
return value; }	
}	
No, because value is not initialized when declared	
No, because getValue will return null	
75 W 75	
No, because value set to NULL	
Yes	
<b>∢</b> Previous	Next >
ne left: 0:10:56	
	Sabrina Knoll
Question 13 of 30	
Which method reference could simplify this lambda: -oo foo) -> foo.getName()	
	1
<b>∢</b> Previous	Next▶

Time left: 0:10:01

	Sabrina Knoll
uestion 14 of 30	
hat is result of this expression stem.out.print(new Integer(1234) == Integer.valueOf(1234));	
A) true	
O B) false	
C) Compilation error	
Previous	Next ▶
Java / Spring	
Java / Spring	<b>≜</b> Sabrina Kno
Java / Spring	<b>≗</b> Sabrina Kno
Java / Spring Fime left: 0:09:52	<b>≜</b> Sabrina Kno
Java / Spring Fime left: 0:09:52  Question 15 of 30	<b>≜</b> Sabrina Kno
Java / Spring  Fime left: 0:09:52  Question 15 of 30  Are Singleton beans thread safe in Spring Framework?	<b>≜</b> Sabrina Kno
Java / Spring  Time left: 0:09:52  Question 15 of 30  Are Singleton beans thread safe in Spring Framework?  • Yes	å Sabrina Kno

# Sabrina Knoll Question 16 of 30 Is this code correct? ----- MyClass----public class MyClass { public MyClass(int a, int b) { print(a+b); } -----Class that runs----public RunnerClass { public runnerMethod() { MyClass mc = new MyClass(); } No, because the given parameters are not assigned to class attributes. No, because there is no constructor with no arguments. Yes, the arguments will be ignored. Yes, the implicit constructor will be called. Java / Spring Time left: 0:07:43 & Sabrina Knoll Question 17 of 30 Which is the Java 8 functional interface that returns a boolean value based on input of type T? O Predicate<T> ○ BiFunction<T> O Supplier<T> O Consumer<T> O Check<T>

**♦ Previous** 

Time left: 0:07:35

# Sabrina Knoll Question 18 of 30 What is a static field? A field initialized with null value. A field whose value cannot be changed. A field from an interface. A field that is created once per class. **♦ Previous** Next > Java / Spring Time left: 0:07:27 Sabrina Knoll Question 19 of 30

# What are valid Spring Bean scopes? stateless singleton prototype once statefull request session Next▶ **♦ Previous**

Time left: 0:07:21

		& Sabrina Kno
Que	stion 20 of 30	
Vhich	of the following is correct about Factory design pattern	
0	All of the above	
0	Factory pattern creates object without exposing the creation logic to the client	
0	This pattern builds a complex object using simple objects and using a step by step approach.	
0	This pattern refers to creating duplicate object while keeping performance in mind.	
<b>▼</b> Pre	evious	Next >
Java .	/ Spring	
Time le	eft: 0:07:13	
	♣ Sabrina Knoll	
Que	estion 21 of 30	
Can	you prevent a class from being inherited ?	
0	Yes, if you make it final	
C	) No	
	Yes, if it is abstract	
C	Answers 1 and 2	
√P	revious Next >	

Time left: 0:07:01

Sabrina Knoll

### Question 22 of 30

What functions should be used instead of question marks (?), so that this code compiles and prints "5d"

List<Integer> numbers = Arrays.asList(5, 3, 1, 4); String nums = numbers.stream()

.?(Collectors.joining(","));

System.out.print(nums);

Write function names separated by comma (,).

Null

**♦ Previous** 

Next >

### Java / Spring

Time left: 0:06:54

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### Question 23 of 30

What is the method reference for the constructor of the Foo class?

**♦ Previous** 

Time left: 0:06:41

	å Sabrina Knoll
Question 24 of 30	
Which one of the following CRUD operations / HTTP meti	nod associations are valid?
A) Create - POST	
☐ B) Create - PUT	
C) Read - PATCH	
D) Read - GET	
E) Update - POST	
☐ F) Update - PUT	
G) Delete - DELETE	
☐ H) Delete - REMOVE	
ava / Spring	
	<b>≗</b> Sabrina Kno
W. A. 10 H. W. C. T.	<b>≜</b> Sabrina Kno
Question 25 of 30  This pattern involves a single class which is responsible	
Question 25 of 30  This pattern involves a single class which is responsible	
Question 25 of 30  This pattern involves a single class which is responsible only single object gets created.	
Question 25 of 30  This pattern involves a single class which is responsible only single object gets created.  Builder	
This pattern involves a single class which is responsible only single object gets created.  Builder Singleton	♣ Sabrina Kno to create an object while making sure that

Time left: 0:06:24

Sabrina Knoll

### Question 26 of 30

Which of the following best describes the singleton pattern?

- Private constructor, private field with self-reference & static method for accessing the instance.
- Class is final, with a public and private constructors.
- O Static constructor so that it is called only once right after class is loaded.
- No constructor, use of parent's constructor which must be static.

**♦ Previous** 

Next ▶

### Java / Spring

Time left: 0:06:14

& Sabrina Knoll

### Question 27 of 30

What is the Difference between Class and Instance?

- Class represents the actual object, instance is the way a class is perceived by the VM.
- Class is a collection of objects of the same type, instances is one of those objects.
- There is no difference between class and instance.
- Class describes the general behavior of objects, instance is the actual object created at runtime.

**♦ Previous** 

# Question 28 of 30 interface Vehicle { void go(); } class Auto implements Vehicle { public void go() {System.out.print("I am fast");} public static void main(String ... s){ Vehicle v = new Auto(); v.go(); } } This code presents: A) Polymorphism O B) Encapsulation O C) Low cohesion O) Coupling Next > **♦ Previous** Java / Spring Time left: 0:05:52 & Sabrina Knoll Question 29 of 30 A car manufacturer uses the same mechanism of the existing version of the car while launching a new version with some added functionalities. What is this? ( A) Inheritance B) Encapsulation O) High cohesion O) All of the above. Next ▶ **♦ Previous**

Time left: 0:05:44

Sabrina Knoll

### Question 29 of 30

A car manufacturer uses the same mechanism of the existing version of the car while launching a new version with some added functionalities. What is this?

A) Inheritance

B) Encapsulation

O) High cohesion

O) All of the above.

**♦** Previous

### Question 30 of 30

What will be the result?

```
class Employee {
   String name;

public Employee(String name) {
     this.name = name;
}

public static void main(String... args) {
   Set<Employee> employees = new LinkedHashSet<>();
   employees.add(new Employee("Mike"));
   employees.add(new Employee("Mike"));
   employees.add(new Employee("John"));

   System.out.println(employees.size());
}
```

- O A) 1
- OB) 2
- O C) 3
- D) Code won't compile, because LinkedHashSet does not exists.
- E) Runtime exception, because Employee class does not have comparator.