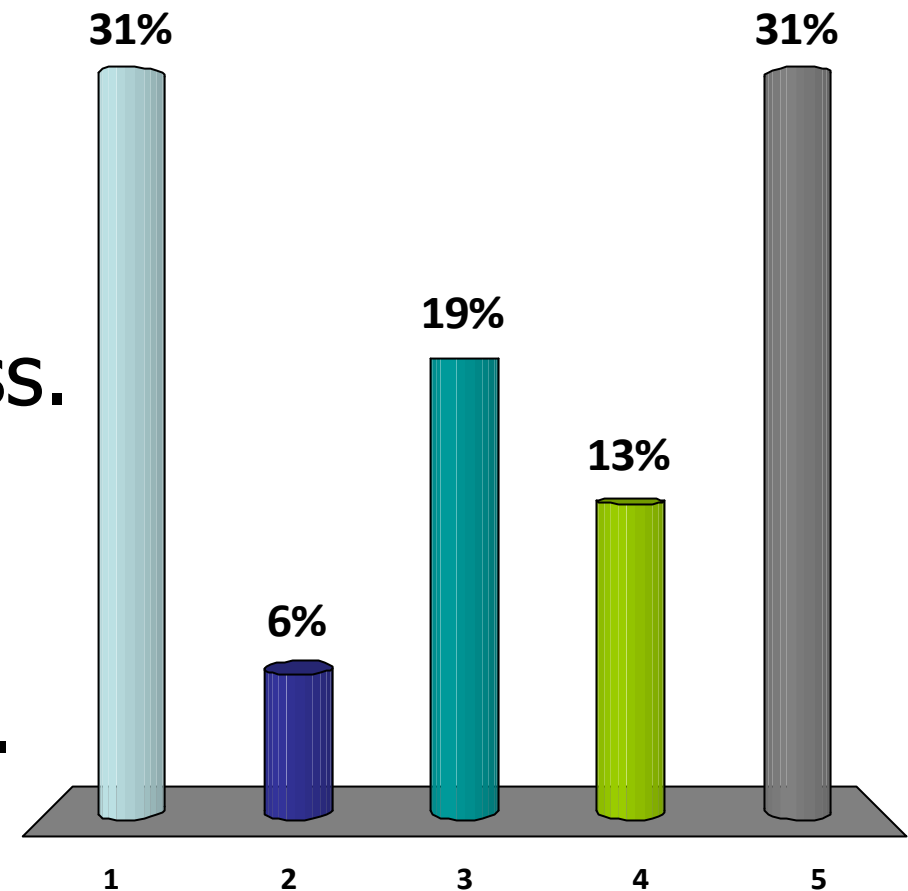


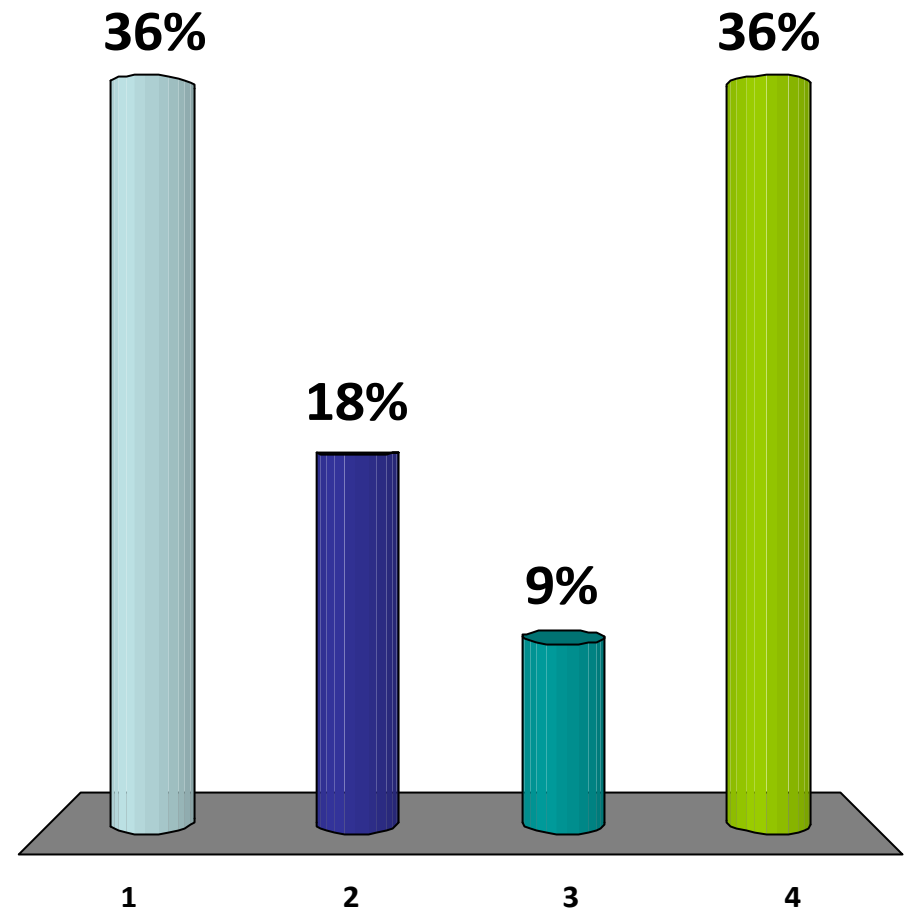
Which of the following is the LEAST common reason for using inheritance?

1. Modular design
2. Adding new functionality
- ✓ 3. Improving the readability of a class.
4. Abstraction
5. Specializing a class for a particular use.



What is the best way to describe an abstract data type in Java?

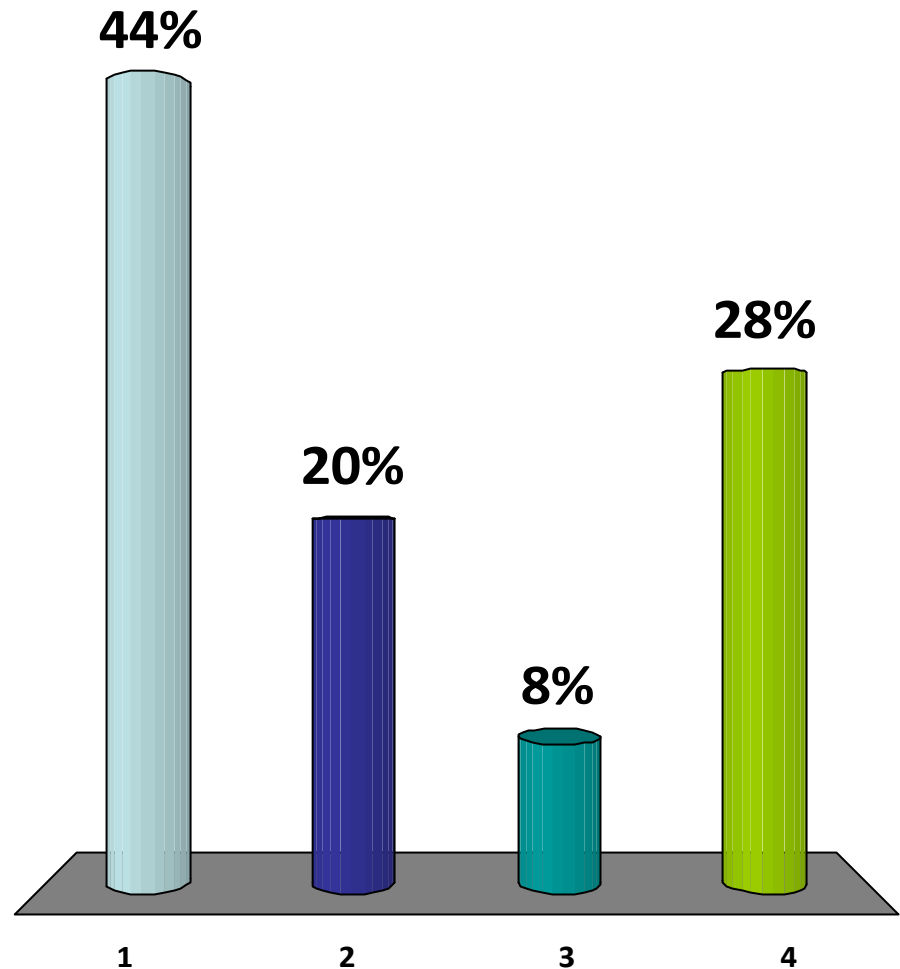
- ✓ 1. Interface
- 2. Class
- 3. Either class or interface
- 4. Neither



What is a:

Queue<Stack<IntegerBag>> dbase

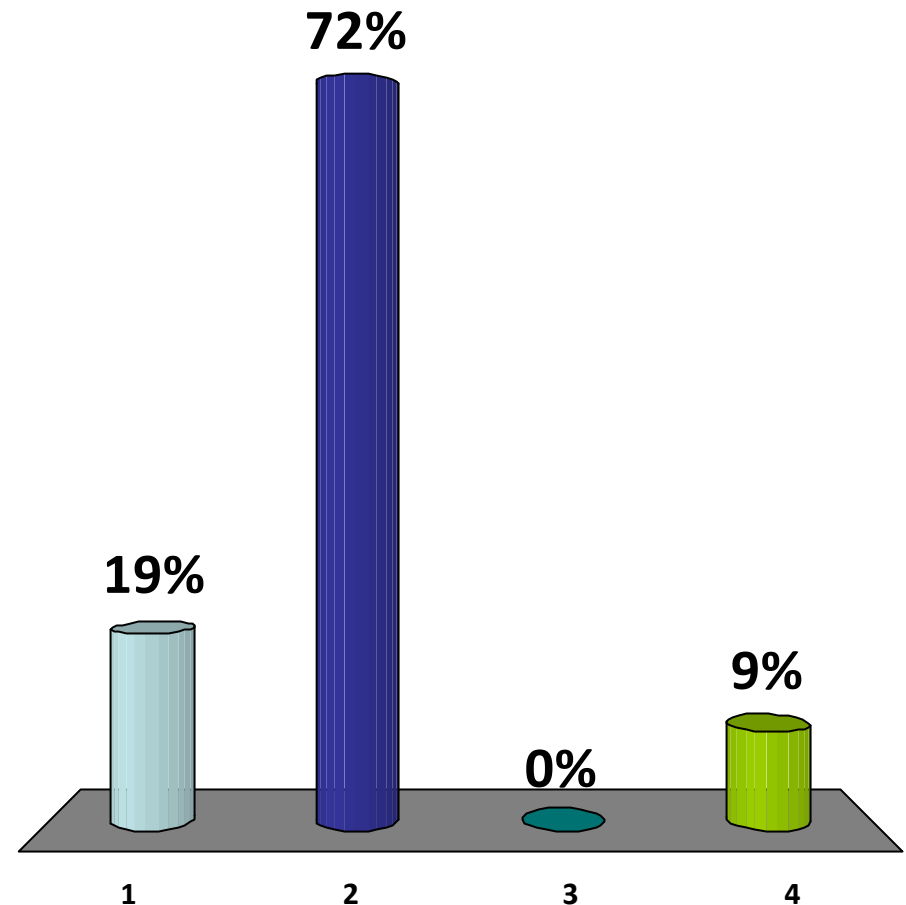
- ✓ 1. Queue of stacks of integer bags
- 2. Bag of stack of queues of integers
- 3. Stack of queues of integer bags
- 4. None of the above.



Assume Child extends Parent. Which constructor is executed first on new Child()?

- ✓ 1. Parent()
- 2. Child()
- 3. Undefined by Java specification
- 4. Depends on the parameter lists.

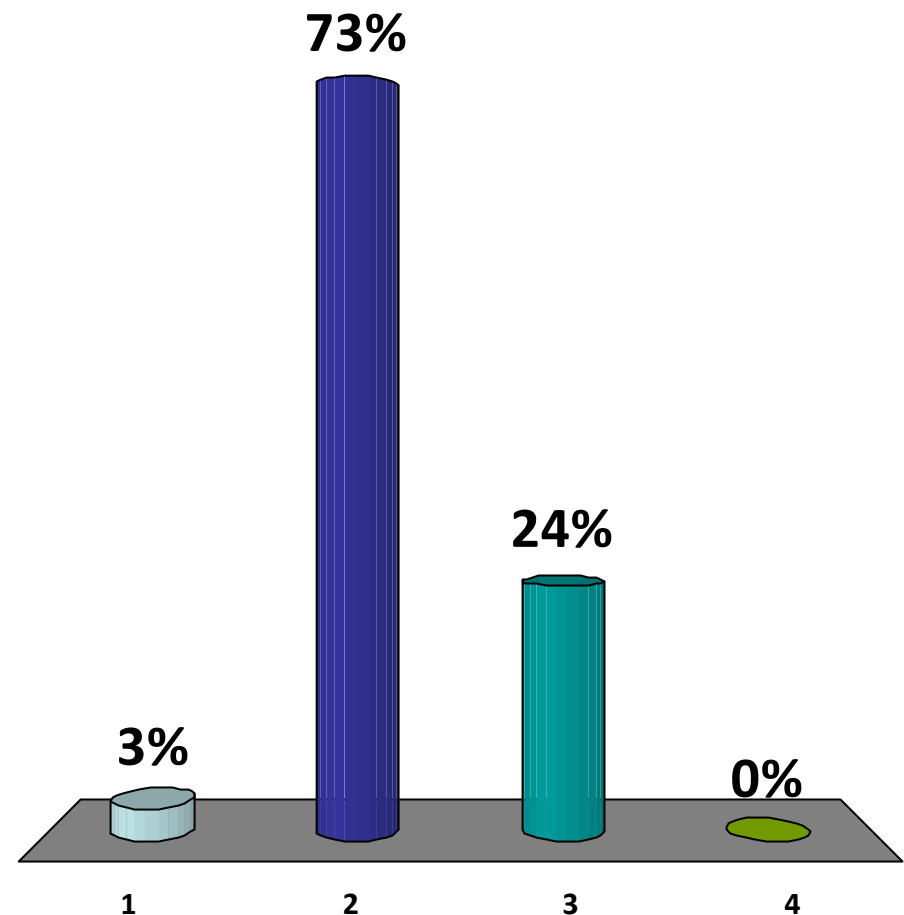
Response
Counter



Assume Child extends Parent, and assume Parent implements Grandparent. Which constructor executes first on new Child():

1. Child
- ✓ 2. Parent
3. Grandparent
4. Undefined in the Java specification

Response
Counter



Today's Plan

Abstract data types

- Bags
- Lists
- Stacks
- Queues

Java

- Generics
- Inheritance
- Polymorphism