

Instructions



How is it???

0 responses

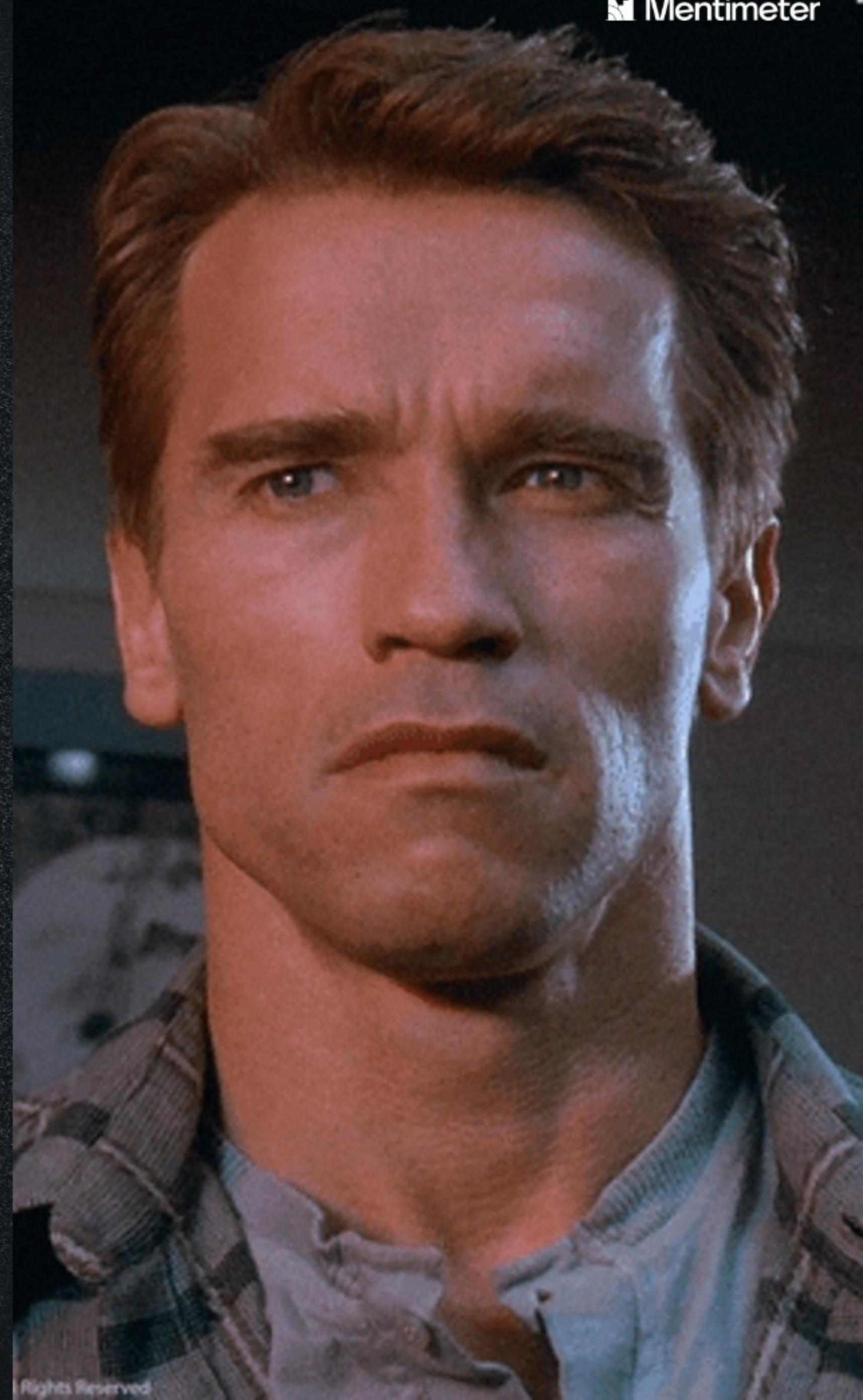


**Tell me if you have problems with
practical tasks**

Agenda

- Recall what was learned
- Look at current topic practice
- Check current topic knowledge

Total Recall



Is shallow copy allowed for immutable object?

0 

yes

0 

sometimes

0 

no

In the Observer pattern, what does the observer implement to receive state changes?

- attach(observer) ✗
- detach(observer) ✗
- notify() ✗
- update() ✓

How does the WeatherData class (Publisher) notify observers of a state change in the Observer pattern?

- By triggering an event in the observer objects ✖
- By directly updating observer objects ✖
- By calling `notifyObservers` method and iterating through observers ✓
- By sending notifications via a separate channel ✖

What is the purpose of the Builder Pattern?

- To convert the interface of a class into another interface ✗
- To deposit a specific amount into an account ✗
- To allow the construction of complex objects step by step and produce different types and representations of an object using same construction code ✓
- To execute and undo a deposit operation ✗

How does the Builder design pattern achieve better maintainability compared to having numerous constructors with varying parameters?

- a) By allowing the step-by-step construction of complex objects
- b) By providing a common interface for object construction
- c) By consolidating all variations of object construction into a single builder
- d) By incorporating all parameters into a single constructor call

Discuss current topic

The Moon is drifting away from the Earth

approximately 3.8 cm away from our planet every year.

Have you looked at todays' materials?

0



yes

0



no

0



partially

0



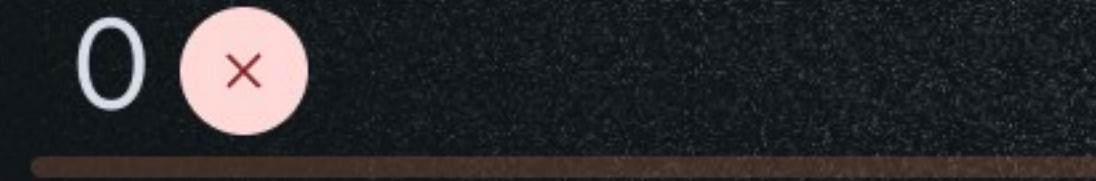
i'm the author

Convinient Patterns: Visitor

When to use Visitor pattern?

- Use the Visitor when you need to perform an operation on all elements of a complex object structure (for example, an object tree). ✖
- Use the Visitor to clean up the business logic of auxiliary behaviors. ✖
- Use the pattern when a behavior makes sense only in some classes of a class hierarchy, but not in others. ✖
- All mentioned ✓

Which objects are involved in the Visitor pattern?



10 mins break

What is the primary purpose of the visitor pattern?

- To enforce a singleton pattern ✗
- To define a one-to-many dependency between objects ✗
- To create families of related or dependent objects without specifying their concrete classes ✗
- To define a new operation to be performed on each element in an object structure ✓
- To provide a flexible way to create objects of different types ✗

What are the benefits of Visitor pattern?

- Open/Closed Principle. You can introduce a new behavior that can work with objects of different classes without changing these classes.✖
- Single Responsibility Principle. You can move multiple versions of the same behavior into the same class.✖
- Visitor can store some data while working with various objects. This can be handy when you want to traverse some complex object structure.✖
- All mentioned✓

What are the drawbacks of the Visitor?

- You need to update all visitors each time a class gets added to or removed from the element hierarchy. ✓
- Visitors might lack the necessary access to the private fields and methods of the elements that they're supposed to work with. ✓
- You can separate processing logic from data transfer objects. ✗
- All mentioned ✗

Q&A part

0 questions
0 upvotes