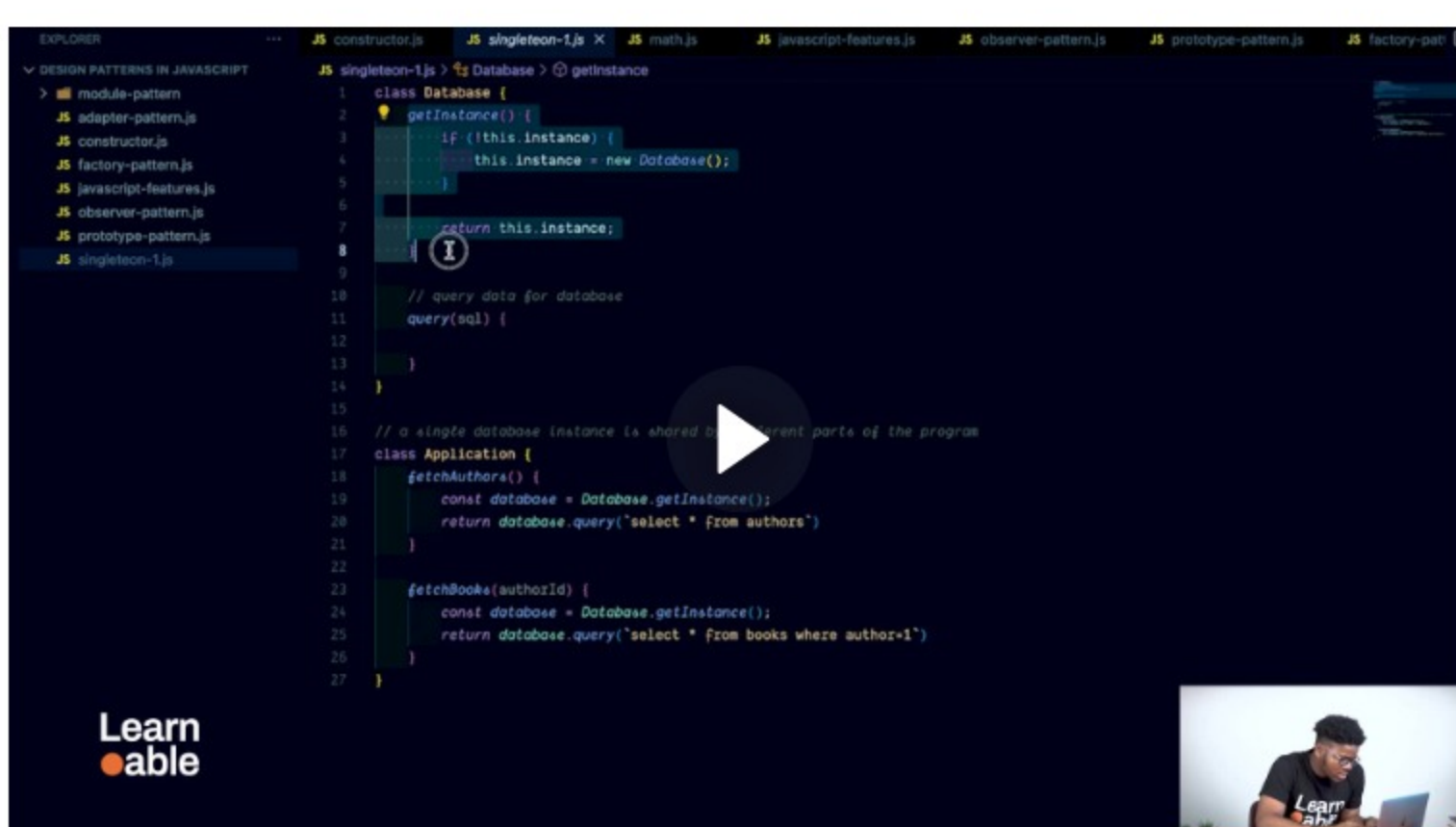


✓	Reintroduction to JavaScript Objects (16:37)
✓	Arrays and Higher Order Functions (16:38)
✓	DOM Manipulation (21:44)
✓	Asynchronous Programming (25:03)
○	JavaScript Module Systems (19:36)
JavaScript Design Patterns	
✓	Introduction (0:42)
●	Classification of Design Patterns and it's Applications (16:04)

Classification of Design Patterns and it's Applications



Singleton Pattern



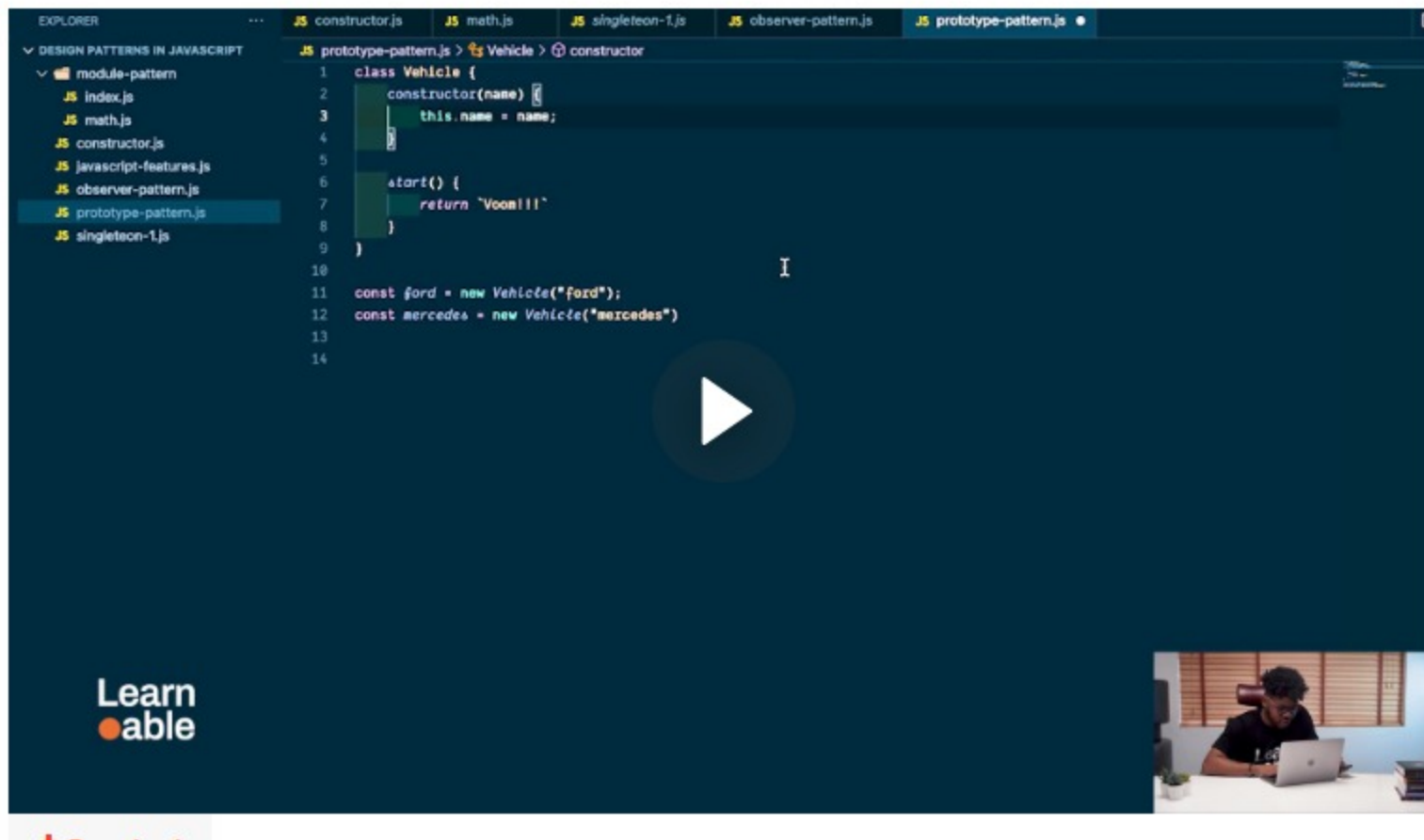
The Module Pattern



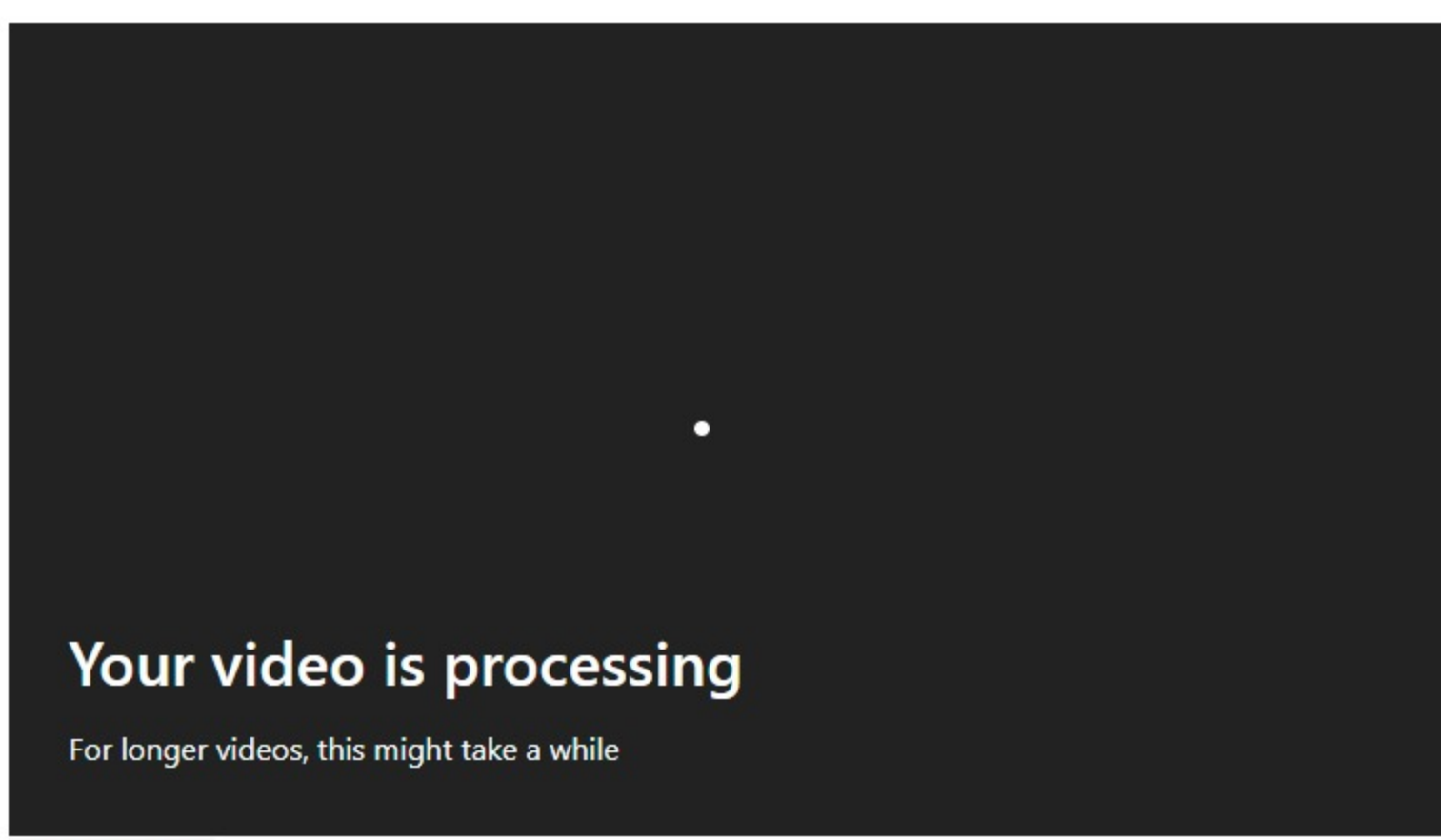
The Observer Pattern



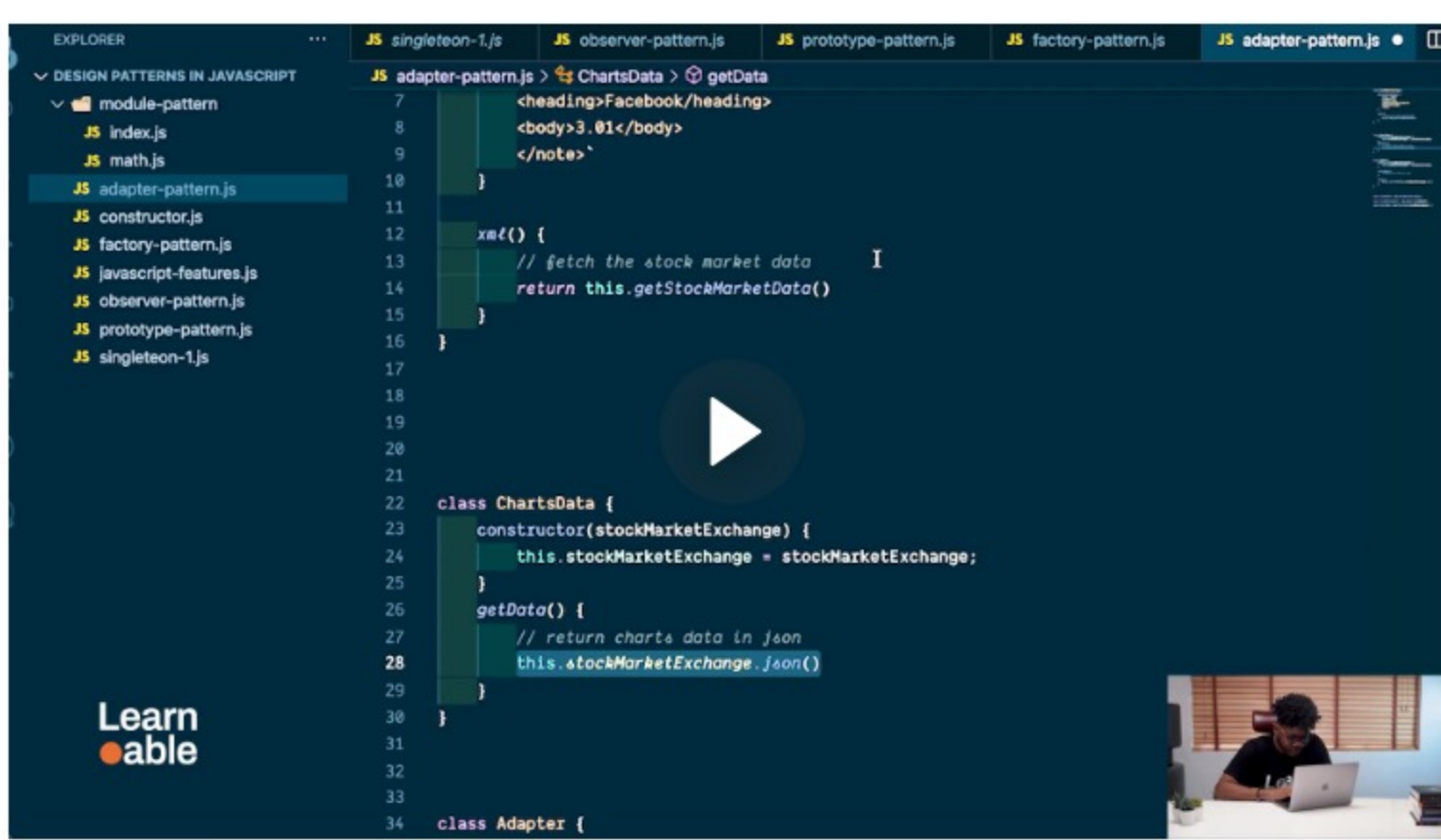
The Prototype Pattern



The Factory Pattern



The Adapter Pattern



Learning Resources

Design patterns

<https://www.patterns.dev/posts/classic-design-patterns/>

<https://www.freecodecamp.org/news/javascript-design-patterns-explained/>

Task & Assignment

For this exercise, our goal is to create a telephone package. The telephone class should expose 3 different methods.

- AddPhoneNumber - For adding a new phone number
- RemovePhoneNumber - For removing a phone number
- DialPhoneNumber - For dialling a phone number (only phone numbers that have been added can be dialled)

The telephone class should also maintain a list of observers and notify them whenever a phone number is dialled.

Requirements

1. Create a telephone class. It should expose 3 public methods - AddPhoneNumber, RemovePhoneNumber, and DialPhoneNumber.
2. Update the telephone class, so it uses the observer pattern (have methods to add, remove and notify observers)
3. Create a class for the observer, it should have a method that can be called by the telephone class to notify it.
4. Have the telephone class notify the observers any time a phone number is dialed.
5. Add two observers to the telephone class
 - The first one should print the phone number
 - The second one should print 'Now Dialling 2347023232'

Complete and Continue >

Discussion

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Michael Orji

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1 comments

Victor Joshua

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