Let's recap on some of the things we covered in this lesson on why React is great:

* its compositional model
* its declarative nature
* the way data flows from parent to child
* and that React is really just JavaScript

**Lesson Challenge**

Read these 3 articles that cover some of the essentials of React: [Virtual DOM](https://facebook.github.io/react/docs/optimizing-performance.html#avoid-reconciliation), [The Diffing Algorithm](https://facebook.github.io/react/docs/reconciliation.html#the-diffing-algorithm), and [How Virtual-DOM and diffing works in React](https://medium.com/@gethylgeorge/how-virtual-dom-and-diffing-works-in-react-6fc805f9f84e). Answer the following questions (in your own words) and share your answers with your Study Group.

1) What is the “Virtual DOM”?

2) Explain what makes React performant.

3) Explain the Diffing Algorithm to someone who does not have any programming experience.