

1.1: course information, step1

The application that we will start working on in this exercise will be further developed in a few of the following exercises. In this and other upcoming exercise sets in this course, it is enough to only submit the final state of the application. If desired, you may also create a commit for each exercise of the series, but this is entirely optional. Use create-react-app to initialize a new application. Modify index.js to match the following

```
import React from 'react'
import ReactDOM from 'react-dom'

const App = () => {
  const course = 'Half Stack application development'
  const part1 = 'Fundamentals of React'
  const exercises1 = 10
  const part2 = 'Using props to pass data'
  const exercises2 = 7
  const part3 = 'State of a component'
  const exercises3 = 14

  return (
    <div>
      <h1>{course}</h1>
      <p>
        {part1} {exercises1}
      </p>
      <p>
        {part2} {exercises2}
      </p>
      <p>
        {part3} {exercises3}
      </p>
      <p>Number of exercises {exercises1 + exercises2 + exercises3}</p>
    </div>
  )
}

ReactDOM.render(<App />, document.getElementById('root'))
```

and remove extra files (`App.js`, `App.css`, `App.test.js`, `logo.svg`, `serviceWorker.js`).

Unfortunately, the entire application is in the same component. Refactor the code so that it consists of three new components: *Header*, *Content*, and *Total*. All data still resides in the *App* component, which passes the necessary data to each component using *props*. *Header* takes care of rendering the name of the course, *Content* renders the parts and their number of exercises and *Total* renders the total amount of exercises.

The *App* component's body will approximately be as follows:

```
const App = () => {  
  // const-definitions  
  
  return (  
    <div>  
      <Header course={course} />  
      <Content ... />  
      <Total ... />  
    </div>  
  )  
}
```

WARNING `create-react-app` automatically makes the project a git repository unless the application is created within an already existing repository. Most likely you do not want the project becoming a repository, so run the command `rm -rf .git` in the root of the project.