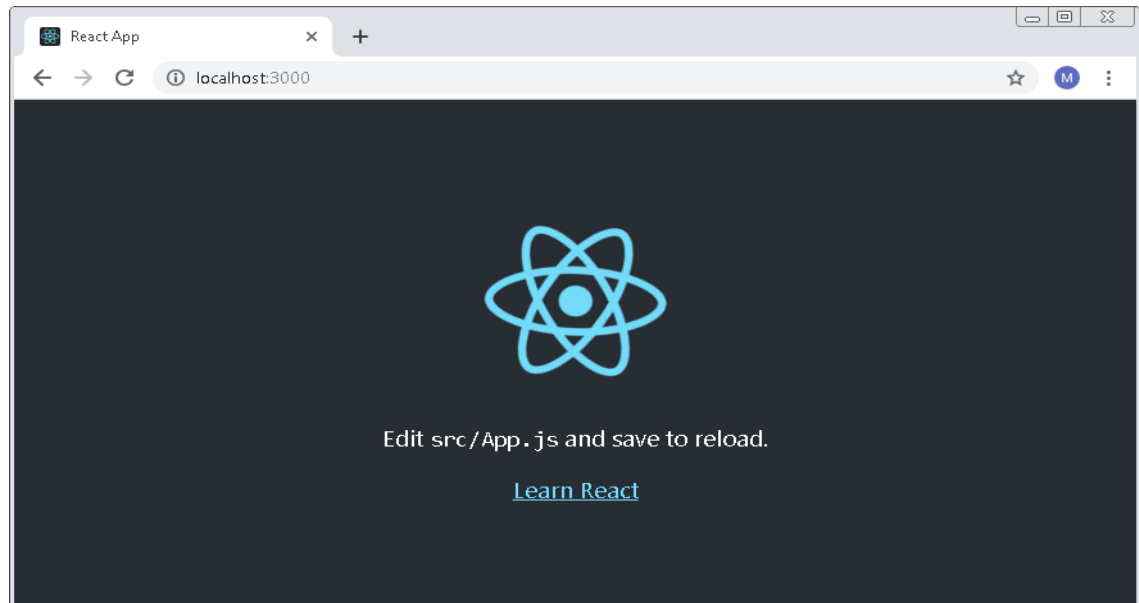


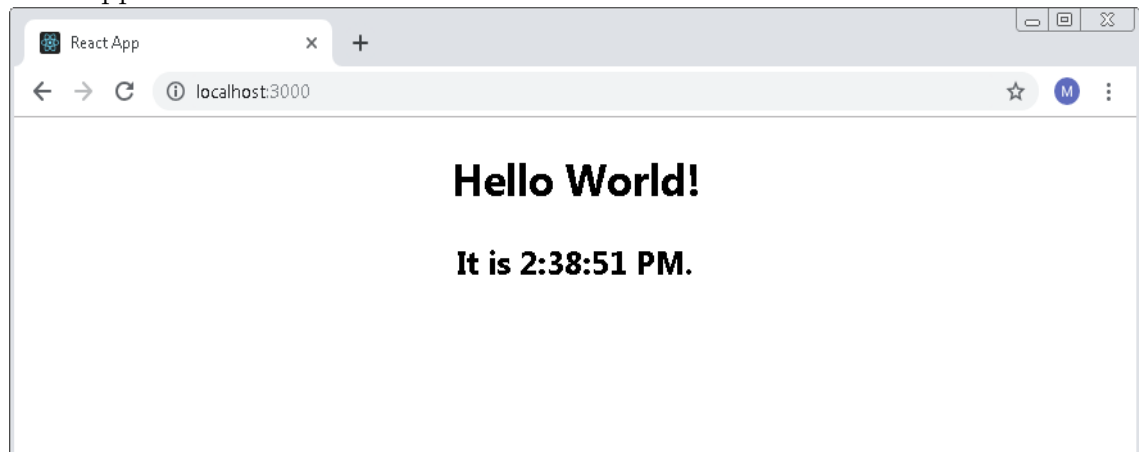
The following exercises are related to the use of React.

1. Create a git repository for your answers to this problem sheet. Push the repository to GitHub. Make a commit and push it to GitHub after each exercise.
2. (a) Create a React application using the create-react-app command. Please use the following documentation: <https://create-react-app.dev/docs/getting-started> we should have version 16.17.0 of Nodejs installed. Your app should look like the following when finished:

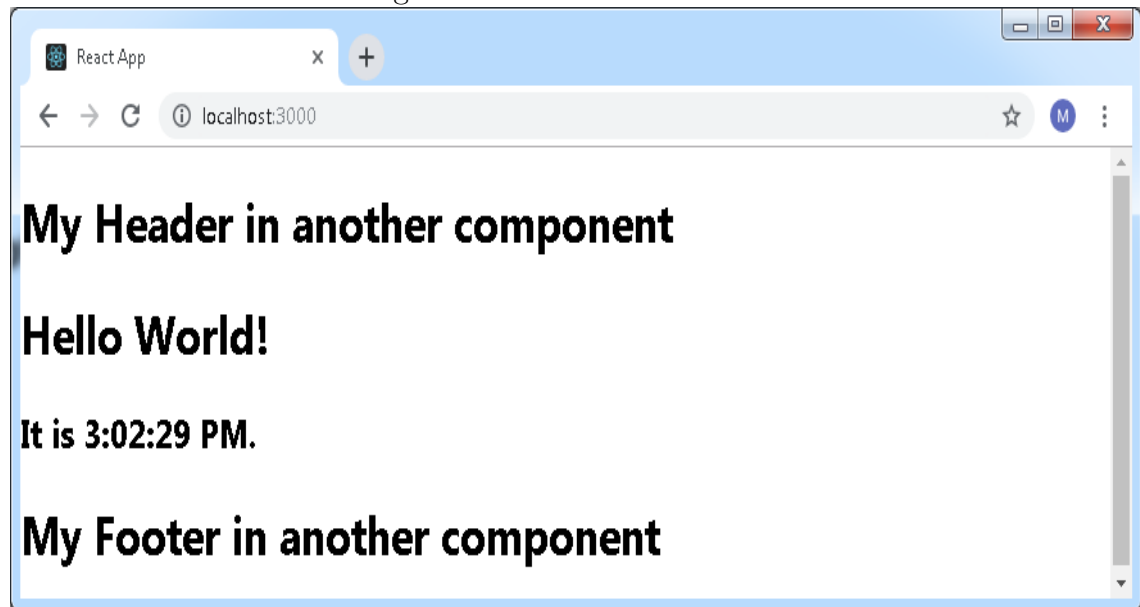


3. (a) Update the application so that it now displays "hello world!" as a `<h1>` tag only.
(b) Update the app.js so that it now is a class instead of a function and it inherits from `react.component` - it should also contain a render method.
(c) Update the application so that it displays the time under Hello World!. Hint:
`<h2>It is {new Date().toLocaleTimeString()}.</h2>`

Your application should now look like:



4. (a) Make a folder under src/ called components and add a component to your application that will display the content as in part two. Your component logic should be added to a file called content.js.
- (b) Add a component called header to components that will display the message "My Header in another component" above the contents component. Your component logic should be added to a file called header.js.
- (c) Add another component called footer to components that will display the following message "My Footer in another component" below the content component. Your component logic should be added to a file called footer.js. Your final application should look like the following:



5. (a) Add bootstrap to your application <https://react-bootstrap.netlify.com/getting-started/introduction/> Add a navigation bar (bootstrap NavBar) to your application so that it is visible on every page <https://react-bootstrap.netlify.com/components/navbar/#navbars-colors> Color Scheme. This NavBar should be visible on every page/component of your application it should contain a link to three other components called Home, Read & create.
6. (a) Add routing to your application so that when you click on one of the links on the NavBar it will navigate to either the footer, header or content component. <https://reactrouter.com/web/guides/quick-start> The application should now appear as

