



Assignment 3 - Laying the Foundation

Q1 What is JSX?

⇒ JSX is a syntax extension for JavaScript that lets you write HTML-like markup inside a JavaScript file keeping rendering logic and content in the same place

Q2 What are the superpowers / benefits of JSX?

- ⇒
- 1) JSX prevents from cross-site scripting
 - 2) JSX makes it easier to write code as we are no longer creating elements using `React.createElement`
 - 3) Makes code simple & elegant
 - 4) Show more useful error and warning message
 - 5) JSX prevents from code injections (attacks)

Q3 What is the Role of 'type' attribute in script tag? What options can I use there?

⇒ The type attribute specifies the type of the script. The type of the script. The type attribute identifies the content between the `<script>` and `</script>` tag.

It specifies the media type of the script. Media type indicates the format and nature of file.

By default is "application/javascript"

Script types

text/javascript
image/apng
image/avif
image/gif
image/jpeg
image/png
image/svg+xml
image/webp

Audio & video files

multipart/form-data



Q4 What is Babel?

⇒ Babel is JavaScript compiler which is used to convert ECMAScript 2015+ code into a backward compatible version of Js in current and older browsers

Powers of Babel:-

- 1) Transform syntax
- 2) Source code transformation
- 3) Polyfill

Q5 React without JSX

⇒ JSX is not required for using React. Each JSX element is just syntactic sugar for calling `React.createElement(component, props, ... children)`. So anything you can do with JSX can also be done with just plain JavaScript

Q6 What is a React Component?

⇒ Components let you split the UI into independent, reusable pieces and think about each piece in isolation. Components are like javascript functions.

