Day 29

Creating React components

e.g

```
function Header () {
    return <h1> Hello world </h1>
}

function App () {
    return <Header />
}

export default App;
```

✱ Folder structure -

npm init react-app

There are three folders - ① node modules
                          ② public
                          ③ Src

① node module - It is automatically added when we install a specific npm package.

② public - It contains the assets that will be displayed to the user in app.
  - for eg - image files for logos
           - the fevicon which display an icon
           - the robots.txt file which is used for search engine optimization
           - manifest.json file which is used to provide some metadata to a device
           - index.html

③ src - It contains all the essential component file required to ensure that a react app function

e.g   - App.css
          - App.js
          - App.test.js
          - index.css
          - index.js
          - logo.svg
          - SetupTests.js
          - reportWebVitals.js

④ .gitignore file - is version control file
              - It is used to specify what files and folders must be excluded from a project.

⑤ README.md file - Markdown file that gives basic information on project.

⑥ package.json - It lists information pertaining to app which allows npm to run several scripts and perform various tasks in app itself.

⑦ package-lock.json - It holds the list of all dependencies with a specific version

✗ Modules:- Stand-alone units of code the we can re-use again and again

import statement - import {Header} from "Header.js"

export statement - export default Header

two types of exports
1) // Defaut exports
   export default App;

   used When the function name is same as the file
   name.

2) named exports
   export { App }

   used when the function name to be different from
   the file name.