React Documentation

Software required

IDE: **Visual Studio Code**
Package manager: **nodejs**

Prerequisites for learning React

1. HTML, CSS and JavaScript basic knowledge

Software installation

1. Install nodejs LTS (long term support) version from : https://nodejs.org/en/
2. Install Visual Studio Code from : https://code.visualstudio.com/download

Installing react with the help of node

1. Open command prompt and check by running command **node -v**, whether node is successfully installed or not.
2. Create a folder where you want to create your new react project and navigate to the folder in the command prompt/powershell.
3. And execute this command: **npm init react-app projectname**
4. If you see error close the window and do this
   a. Open command prompt as administrator
   b. Execute this command:
      npm config set cache C:\Users\firstname~1\AppData\Roaming\npm-cache" – global
      Replace **firstname** with the firstname of the user of the computer.
   c. And then do the **step 3**
5. After the installation of React, navigate to the folder **projectname** and run **npm start** in the command prompt/powershell. It will launch the "Hello World" react project in the default browser in the server **http://localhost:3000**
6. Open the projectname folder in the visual studio code editing the code snippets and building your own projects.

Configuring IDE (optional)

1. For writing react script inside the Visual Studio Code some extensions are preferable. They are: **simple react snippet, prettier code formatter**
2. Open the user setting json file in visual studio code and add this line inside the json:
   "editor.formatOnSave" : true