**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
   1. Open command prompt as administrator
   2. 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.

* 1. And then do the **step 3**

1. 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**](http://localhost:3000)
2. 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**