INFOLABZ IT SERVICES PVT. LTD.

**Course :** React

**Session No :**

**Topics to be covered :** Node Js Installation , Step by Step react project development, Functional Components in react

**Required Tools / Installation :**

1. Download Nodejs ( search in google )

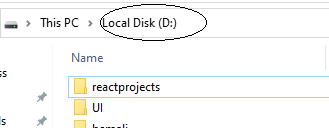
Link : <https://nodejs.org/en/download>

1. Install Node.Js
2. Download Visual Studio Code ( Recommended )

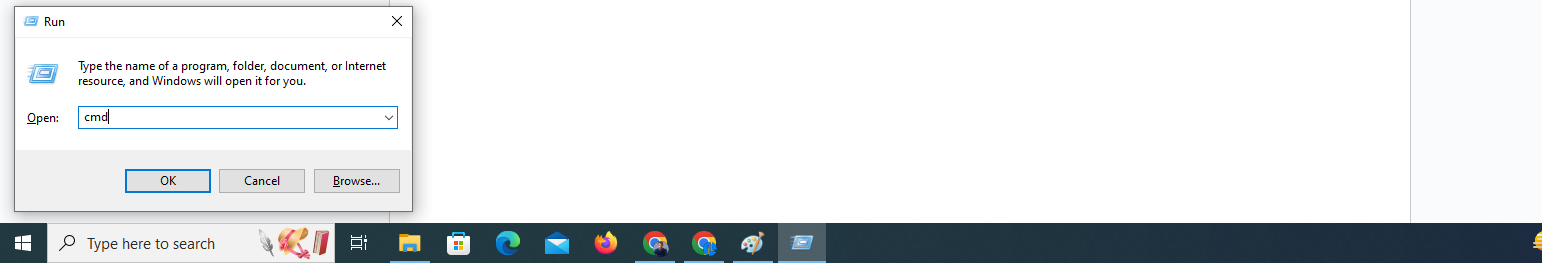
Link : <https://code.visualstudio.com/download>

**Creating First react project :**

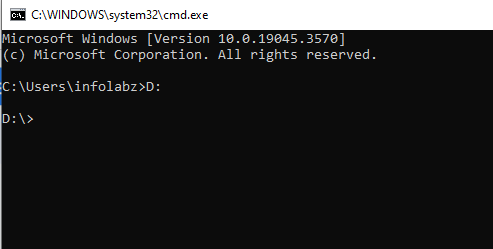
1. Create a folder “reactprojects” in any drive ( For example : D drive )



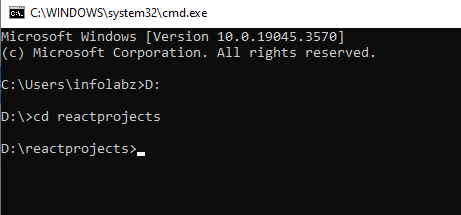
1. Open command prompt ( win+r, and type cmd )



1. Go to D Drive

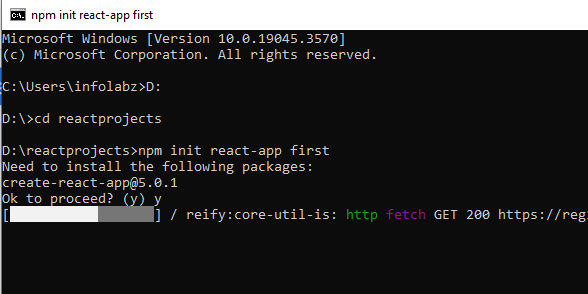


1. Go to specific folder “reactprojects”

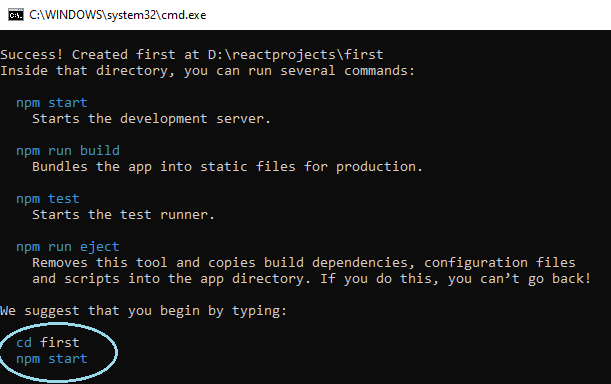


1. Create a new project ( Enter following command )

npm init react-app first

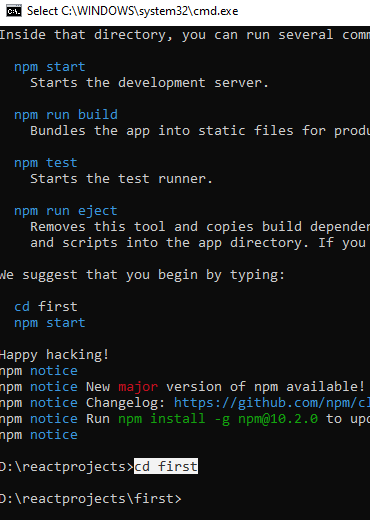


Project created successfully.



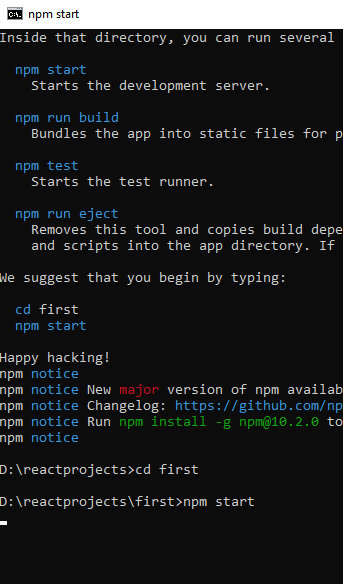
1. Go to project folder

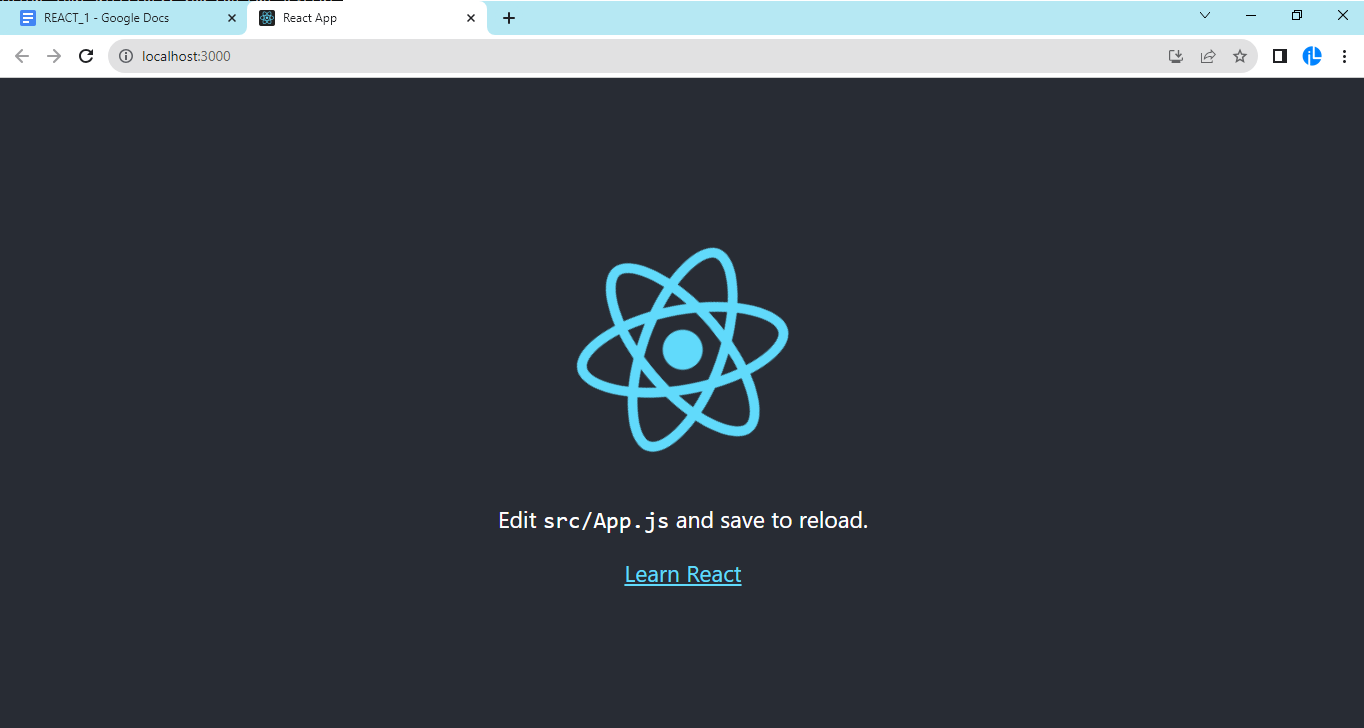
cd first



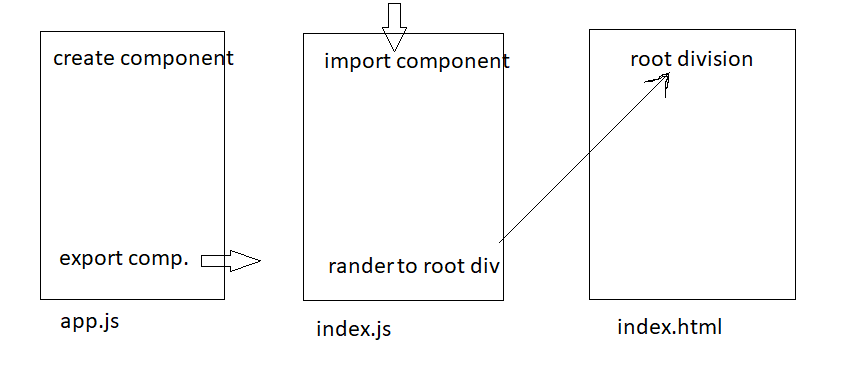
1. Run Project

npm start





**STRUCTURE :**

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**Note :** There are two types of components

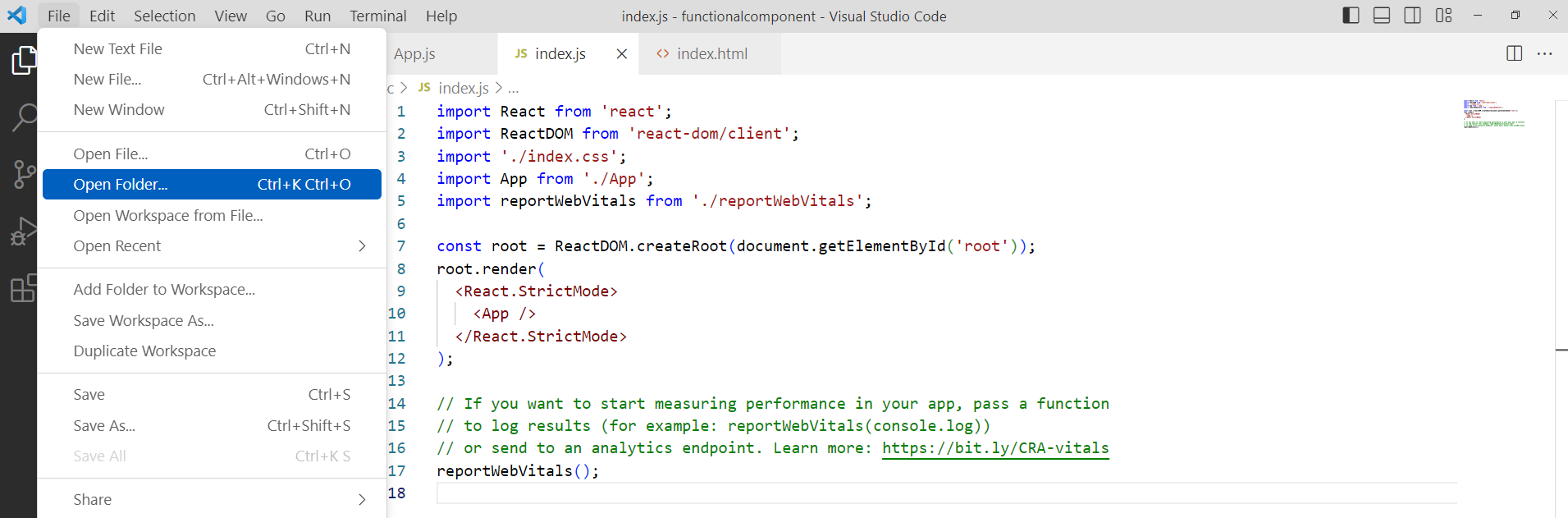
* 1. Functional Components b) Class Components

Create a new project : **functionalcomponent**

npm init react-app functionalcomponent

**Load project in visualstudiocode (VS CODE )**

File > Open Folder > D: > Click on reactprojects > Click on first



**Note** :

App.js : Create Component and Export it

Index.js : Import Component and Render it to root ( index.html )

**Note :**

1. First latter of the component should be in capital

For example : App, First, Second , Third etc

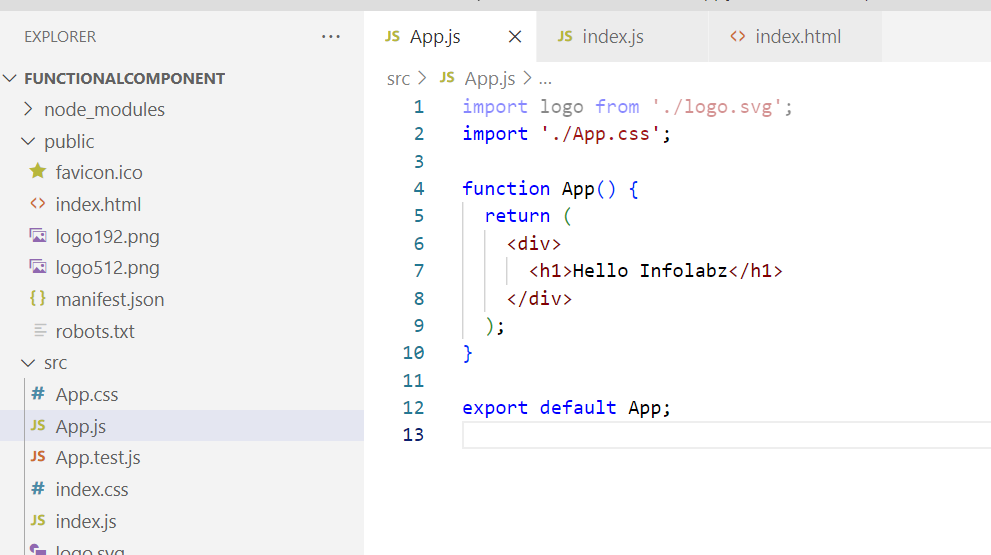
1. First component is exported as default component

export default App

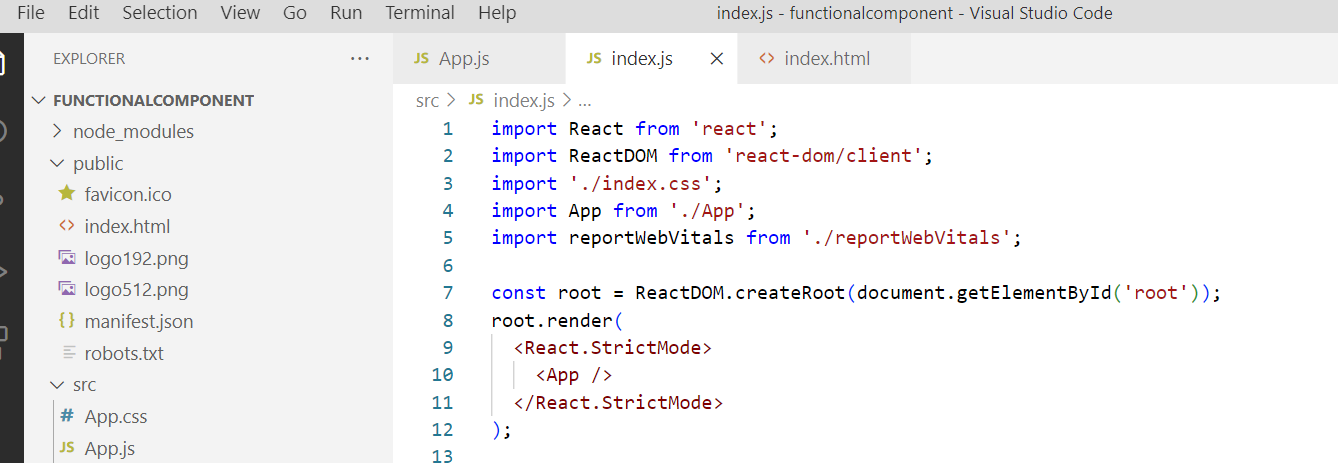
1. Remaining other components are exported as

export {First,Second,Third}

App.js ( Created a component named App and Exported as default as it is first component )

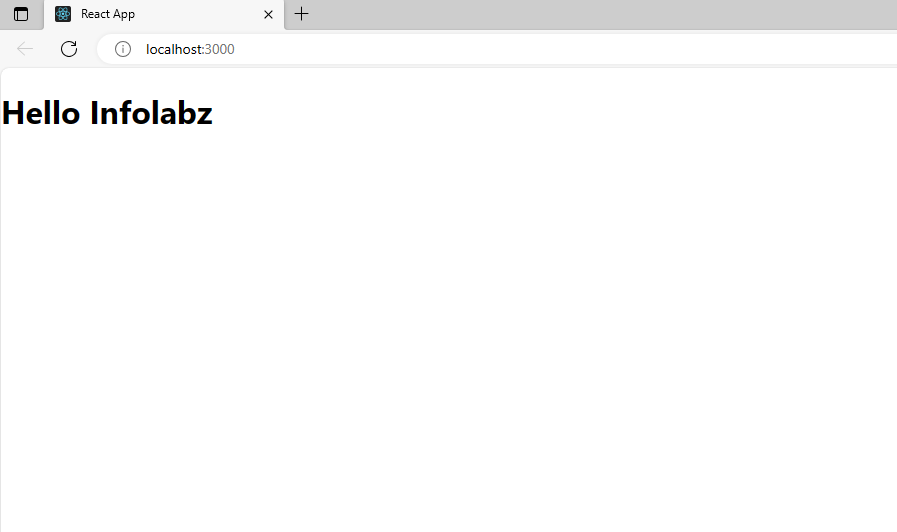


Index.js ( import component App and render it to root / index.html )



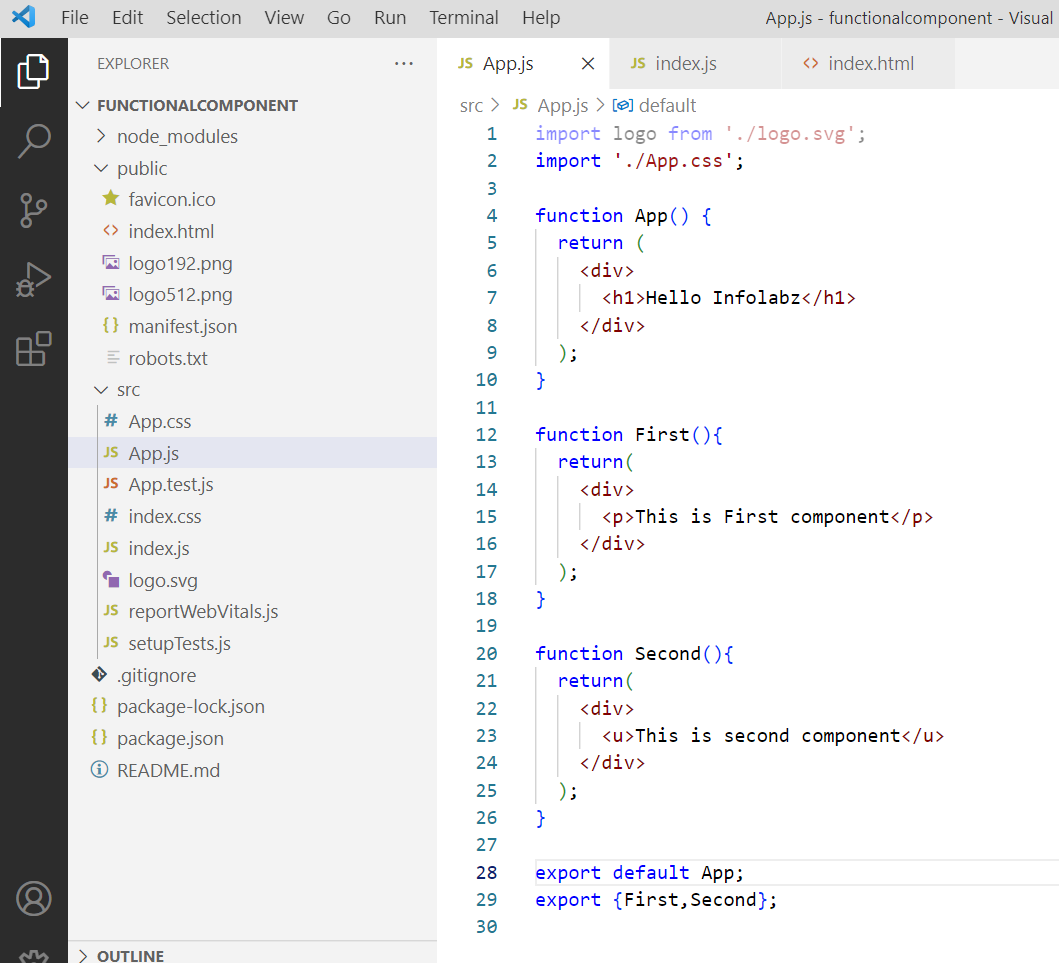
Output :

( Run project if stopped. Step 7 as above )

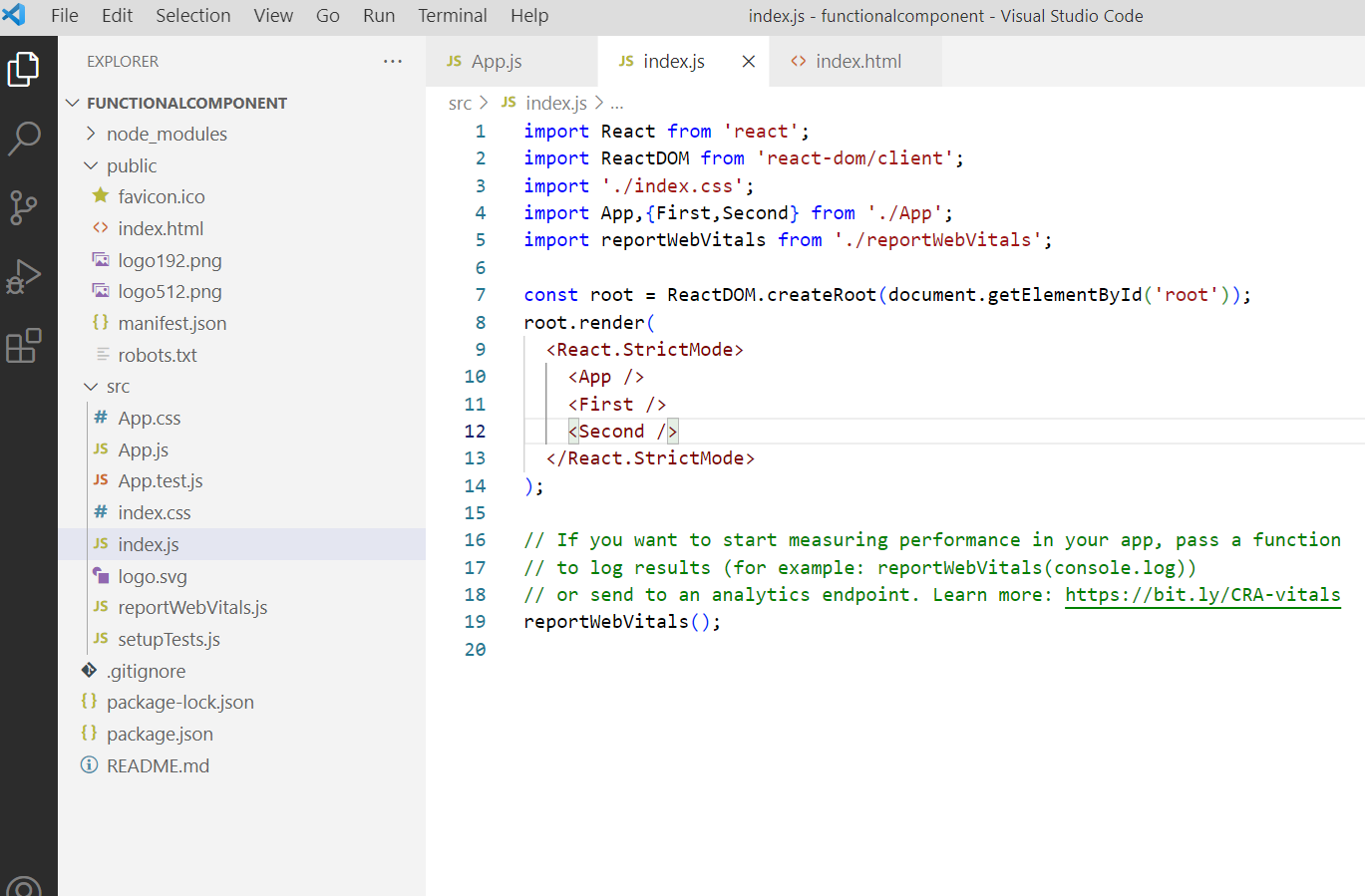


Create Two more components in same project: First & Second

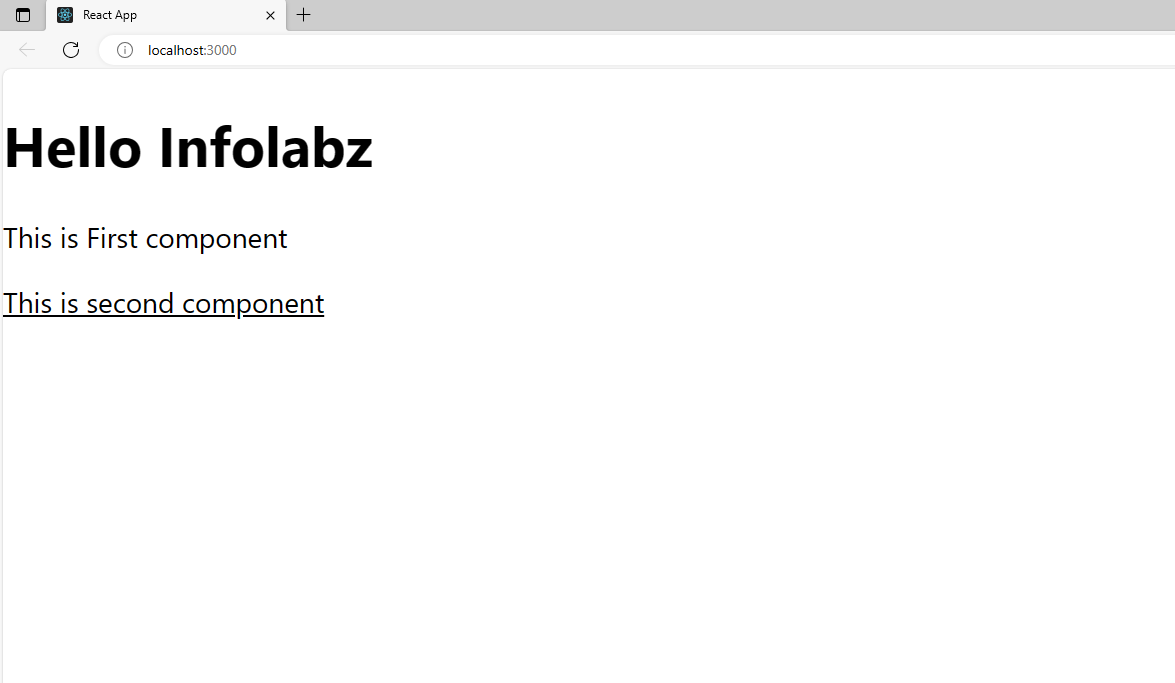
**App.js**



**Index.js**

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**OUTPUT :**

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