Project Setup: Serve index.html with ExpressJS

1) Create default folder run the following command from there with default setting
   - ➤ C:\ReactJs\Tutorial>npm init –y

2) Create server folder inside it.
   - ➤ C:\ReactJs\Tutorial>mkdir server

3) Create index.js file which will be entry point.

```
import express from 'express'

// Initialize the express to app
let app = express();
//Lets define catch all routs,we have req and res, send back hello string with send function.
app.get('/*',(req,res)=>{
    res.send('Hello world');
});
// We need to listen to port 3000.
app.listen(3000,()=>console.log('we are running to 3000'));
```

4) To run with the node, but to understand imports we need to install babel-cli, express
   - ➤ C:\ReactJs\Tutorial>npm install --save-dev babel-cli
   - ➤ C:\ReactJs\Tutorial>npm install --save express

5) Add following to package.js script block
   - ➤ "server": "babel-node server/index.js"

6) Install the presets and create .babelrc file

   - ➤ npm install --save babel-preset-es2015
     in the file .babelrc

```
{
    "presets":["es2015"]
}
```

7) Run the following command
   - ➤ C:\ReactJs\Tutorial>npm run server

8) In place of displaying text we will call the files so for that create the index.html file

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>React App</title>
</head>

<body>
    <h1> Hellow world</h1>
    <div id="app"></div>
    <script src="index.js"></script>
</body>

</html>
```

9) For every time we change the files we need to restart the server. To make this easy install "nodemon"

   ➢ C:\ReactJs\Tutorial>npm install --save-dev nodemon

Modify the   "server": "babel-node server/index.js" to

```
"server": "nodemon --watch server --exec babel-node -- server/index.js",
```

It means that we are asking nodemon to watch the server folder and execute babel-node then we need to provide server/index.js to the nodemon not the babel-node for that we need to add --