Exercise (Instructions):Getting Started with React Native

1. npm install -g expo-cli
2. sudo yarn global add create-react-native-app@1.0.0
4. expo init confusion
5. expo start

Objectives and Outcomes

In this exercise you will set up the create-react-native-app for scaffolding a React Native starter application on your computer. Also this will use the Expo framework for React Native app development. At the end of this exercise, you will be able to:

- Set up the create-react-native-app for scaffolding a React Native starter application on your computer
- Use the Expo framework .

Installing Yarn

- Yarn is another package manager like NPM, but is better suited and faster to work with for React applications. So let us install yarn and use it for building our React applications.
- To install Yarn, you can find the instructions for your specific platform at https://yarnpkg.com/en/docs/install.
- If you choose not to install Yarn, you can continue to use npm in place of yarn without any problem.

Setting up the create-react-native-app

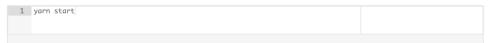- To install the create-react-native-app command, at the prompt type:

```
1    yarn global add create-react-native-app@1.0.0
```

Generating and Serving a React Project using *create-react-app*

- At a convenient location on your computer, create a folder named *ReactNative* and move into that folder.
- Then type the following at the prompt to create a new React Native application named *confusion*:

```
1    create-react-native-app confusion
```

- This should create a new folder named *confusion* within your *ReactNative* folder and create the React Native application in that folder.
- Move to the *confusion* folder and type the following at the prompt:

```
1    yarn start
```

- This will compile the project and then start serving the project at the address exp://<Your Computer's IP address>:19000.

Running your React Native application

- Install the Expo client app on your iOS or Android phone and connect to the **same wireless network** as your computer.
- Once you've set these up, you can launch your app on an Android Virtual Device by running npm run android, or on the iOS Simulator by running npm run ios (macOS only).

Setting up a Git repository

- You can initialize your project to be a Git repository by typing the following commands at the prompt:

```
1    git init
2    git add .
3    git commit -m "Initial Setup"
```

- Thereafter you can set up an online Git repository and synchronize your project to the online repository. Make sure that the online Git repository is a ***private*** repository.