

# Lab Assignment 1: *Spinning Up React Native App*

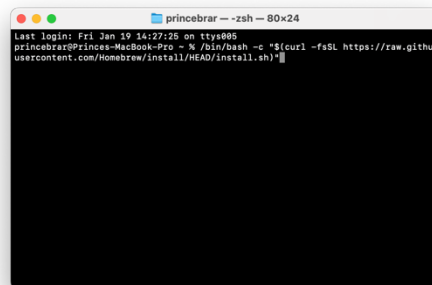
## System Requirements

- ☐ CPU: Apple M1
- ☐ RAM: 8GB
- ☐ OS Version: Sonoma 14

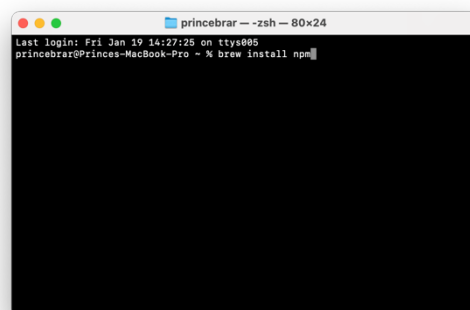


## Installation Instructions

1. Install Homebrew into your Mac by using this command line in the terminal “ `/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"` ”

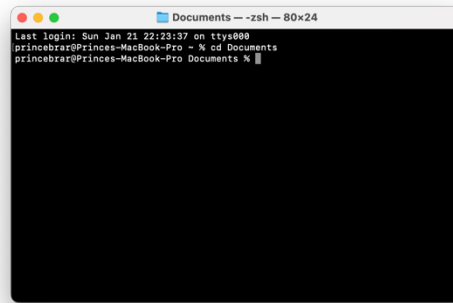


2. After installing Homebrew, run this command in the terminal to install npm “ `brew install npm` ”, if it doesn't work and return with an error, then use this command “ `sudo brew install npm` ”. It would ask password of your Mac, after typing the password press “return” and your npm will start installing.



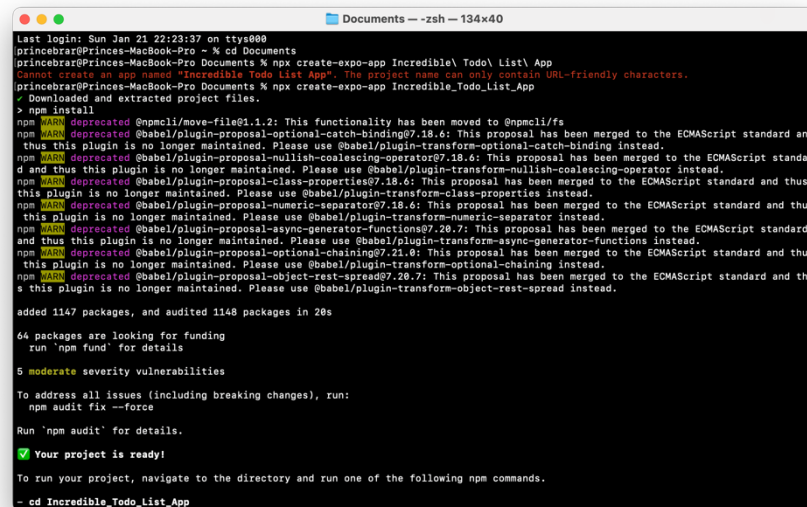
## Project Creation

1. In the terminal, use “ cd ” command to go into a directory where you want to make your React Native project.



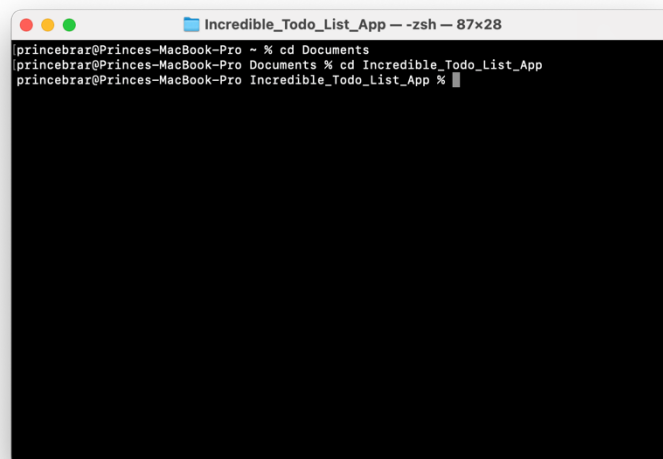
```
Documents -- zsh -- 80x24
Last login: Sun Jan 21 22:23:37 on ttys000
princebrar@Princes-MacBook-Pro ~ % cd Documents
princebrar@Princes-MacBook-Pro Documents %
```

2. Now use this Command “ npx create-expo-app Incredible\_Todo\_List\_App ” to create a project with the name Incredible\_Todo\_List\_App.



```
Documents -- zsh -- 134x40
Last login: Sun Jan 21 22:23:37 on ttys000
princebrar@Princes-MacBook-Pro ~ % cd Documents
princebrar@Princes-MacBook-Pro Documents % npx create-expo-app Incredible\ Todo\ List\ App
Cannot create an app named "Incredible Todo List App". The project name can only contain URL-friendly characters.
princebrar@Princes-MacBook-Pro Documents % npx create-expo-app Incredible_Todo_List_App
✔ Downloaded and extracted project files.
> npm install
npm WARN deprecated @pmm1/move-file@1.1.2: This functionality has been moved to @pmm1/fs
npm WARN deprecated @babel/plugin-proposal-optional-catch-binding@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-optional-catch-binding instead.
npm WARN deprecated @babel/plugin-proposal-nullish-coalescing-operator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-nullish-coalescing-operator instead.
npm WARN deprecated @babel/plugin-proposal-class-properties@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-class-properties instead.
npm WARN deprecated @babel/plugin-proposal-numeric-separator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-numeric-separator instead.
npm WARN deprecated @babel/plugin-proposal-async-generator-functions@7.20.7: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-async-generator-functions instead.
npm WARN deprecated @babel/plugin-proposal-optional-chaining@7.21.0: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-optional-chaining instead.
npm WARN deprecated @babel/plugin-proposal-object-rest-spread@7.20.7: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-object-rest-spread instead.
added 1147 packages, and audited 1148 packages in 28s
64 packages are looking for funding
  run 'npm fund' for details
5 moderate severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force
Run 'npm audit' for details.
✔ Your project is ready!
To run your project, navigate to the directory and run one of the following npm commands.
- cd Incredible_Todo_List_App
```

3. Now use “ cd Incredible\_Todo\_List\_App ” command to navigate to where your new project has been created.



```
Incredible_Todo_List_App -- zsh -- 87x28
princebrar@Princes-MacBook-Pro ~ % cd Documents
princebrar@Princes-MacBook-Pro Documents % cd Incredible_Todo_List_App
princebrar@Princes-MacBook-Pro Incredible_Todo_List_App %
```

## Running the Project

1. After navigating to where your project is located, use this command “ `npx expo start` ” to run your development server.



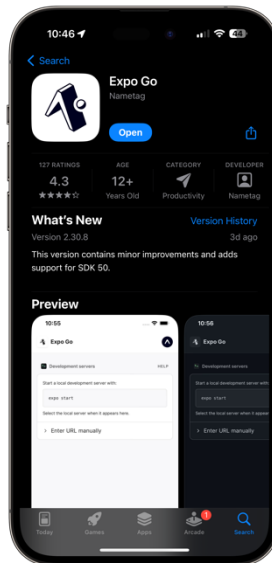
```
Incredible_Todo_List_App -- node - npm exec expo start __CFBundleIdentifier=com.apple.T...
princebrar@Princes-MacBook-Pro Documents % cd Incredible_Todo_List_App
princebrar@Princes-MacBook-Pro Incredible_Todo_List_App % npx expo start
Starting project at /Users/princebrar/Documents/Incredible_Todo_List_App
Starting Metro Bundler

[QR Code]

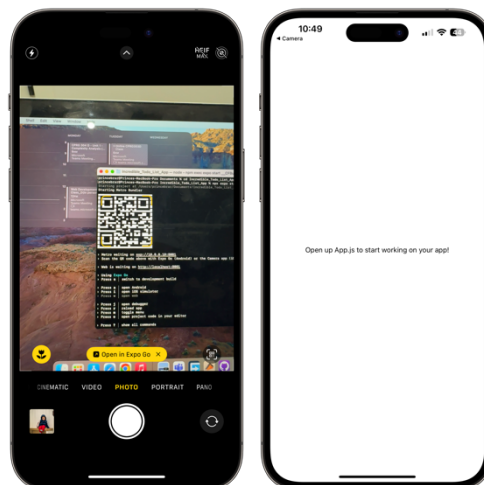
> Metro waiting on exp://192.0.0.10:8081
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)
> Web is waiting on http://localhost:8081

Using Expo Go
> Press * | switch to development build
> Press a | open Android
> Press i | open iOS simulator
> Press w | open web
> Press j | open debugger
> Press r | reload app
> Press m | toggle menu
> Press o | open project code in your editor
> Press ? | show all commands
```

2. Now Install Expo Go application in your android or your iPhone.



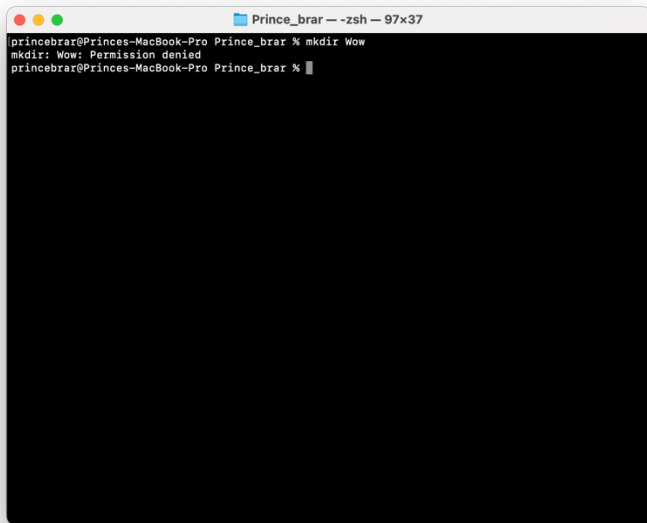
3. Now Scan the QR code present in Step 1 to see the result on our iPhone.



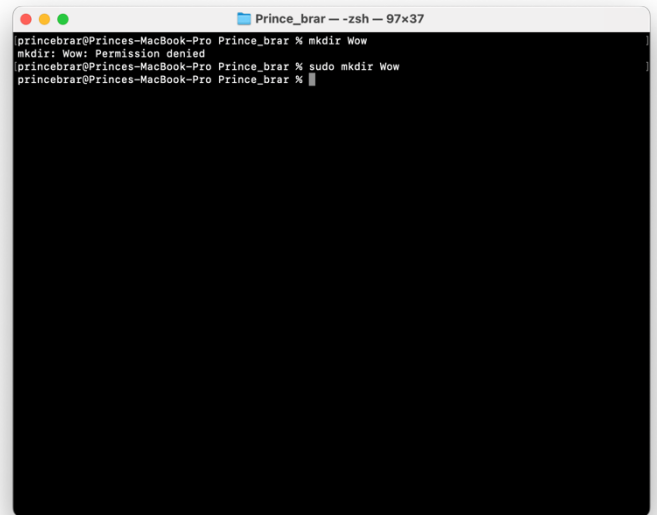
## Troubleshooting

There are only 2 most common error that you might encounter while installing or creating the project.

1. The First one is “ Invalid argument: brew ”, this means your Homebrew is not correctly installed, so either you can reinstall it by following the steps given in the video whose link given in the resources or you can use command “ pip3 install npm ” to install npm directly without the use of Homebrew.
2. The Second Error is “ Permission Denied ” which occurs when you don’t have enough permission or access. You can overcome this by using the “ sudo ” in front of the command you are trying to run to run it as a root user For this you have to enter the password of your MacBook.



```
Prince_brar - zsh - 97x37
princebrar@Princes-MacBook-Pro Prince_brar % mkdir Wow
mkdir: Wow: Permission denied
princebrar@Princes-MacBook-Pro Prince_brar %
```



```
Prince_brar - zsh - 97x37
princebrar@Princes-MacBook-Pro Prince_brar % mkdir Wow
mkdir: Wow: Permission denied
princebrar@Princes-MacBook-Pro Prince_brar % sudo mkdir Wow
princebrar@Princes-MacBook-Pro Prince_brar %
```

## Resources

1. To Watch the video on How to install Homebrew on your Mac, Click [Here](#).
2. Click [here](#) to go to website that will help you to set up React native environment
3. Click [here](#) to go to Expo Go Documentation