# All about setup and installations --->

# Installing dependencies

You will need Node, the React Native command line interface, a JDK, and Android Studio.

You need to install java JDK and set the environment. In your machine environment Variables create a evironment like,

\*\* Variable name: JAVA\_HOME

\*\* Variable value: C:\Program Files\Android\Android Studio\jre

Now install Android studio for the sdk path. After installing Android Studio make a environment variable in your machine and follo the path and variable name as shown,

\*\* Variable name: ANDROID\_HOME

\*\* Variable value: C:\Users\Dell\AppData\Local\Android\Sdk

Open your cmd and run : npm install -g react-native-cli for installing cli for the machine.

Make sure you have npm and node properly installed your machine. check npm -v and node -v to get the versions.

After that make a folder named it React\_native. In this folder path run : npx react-native init <project name>

It creacts a react native project. Now we have to fild a local file for this react native project and make a external device to run the react native scripts.for this,

go to the android studio -> File -> open -> open the project location -> go into the project and select android folder -> click ok

it will take some time and make a local file for this project and also create a channel for external device. After finishing the task of Android Studio, go to your project and open android folder. Now this forlder contains a file name local.

\*Note : If you are using linux this local property file is needed to connect the external emulator. when you cheate a project then copy this file and paste it in your project android folder for the proper connection. But in case of windows system no need to copy this file in every project.

# Command and nessery information to start the project --->

1. at first go to the main project folder and open a Command prompt and run : react-native start

2. npx react-native start : open a Metro server and create a environment for the react native application.

3. after that open a diffrent Command prompt with same project link and run : reat-native run-android to start the project.

4. you can also do as, react-native start --> npm run start & reat-native run-android --> npm run android. But make sure that your package.json file is processed the actual script to run this code.

# Command and nessery information to build(release/debug) the project --->

# for Release .apk file

1. at first go to the main project folder and open a Command prompt and run : cd android

2. after that run : gradlew assembleRelease to make a release .apk file.

\*Note: You are adviced to run : gradlew clean before run the command gradlew assembleRelease.

# for Debug .apk file

1. at first go to the main project folder and open a Command prompt and run : react-native bundle --platform android --dev false --entry-file index.js --bundle-output android/app/src/main/assets/index.android.bundle --assets-dest android/app/src/main/res

2. after completeing the process run : cd android

3. after that run : gradlew assembleDebug to make a debug .apk file.

\*Note: You are adviced to run : gradlew clean before run the command gradlew assembleRelease.

# .apk file location

1. for debug .apk : yourProject/android/app/build/outputs/apk/debug/app-debug.apk

2. for release .apk : yourProject/android/app/build/outputs/apk/release/app-release.apk

# Virsion --->

1. react native : 0.66.3

2. npm : 8.1.2

3. node : 16.13.1

4. react : 17.0.1

# Machine configurations ---->

1. OS : Microsoft Windows 10 Pro

2. ram : 8 gb

3. Processor : Intel(R) Core(TM)

i3-3217U CPU @ 1.80GHz, 1801 Mhz, 2 Core(s), 4 Logical Processor(s)

# Project dependencies name and virsions --->

@react-native-community/async-storage: 1.12.1

@react-native-community/checkbox: 0.5.8

@react-native-community/masked-view: 0.1.11

@react-native-community/netinfo: 6.0.0

@react-navigation/bottom-tabs: 6.0.7

@react-navigation/drawer: 5.11.4

@react-navigation/native: 5.8.10

@react-navigation/stack: 5.12.8

axios: 0.27.2

jwt-decode: 3.1.2

react: 17.0.2

react-native: 0.66.3

react-native-code-input: 1.0.6

react-native-date-picker: 4.2.2

react-native-device-info: 8.4.8

react-native-document-picker: 8.1.1

react-native-dropdown-picker: 5.4.2

react-native-gesture-handler: 1.10.3

react-native-keyboard-avoiding-scroll-view: 1.0.1

react-native-material-dropdown: 0.11.1

react-native-paper: 4.11.1

react-native-picker-select: 8.0.4

react-native-reanimated: 1.13.3

react-native-responsive-fontsize: 0.5.1

react-native-safe-area-context: 3.3.2

react-native-screens: 3.10.1

react-native-searchable-dropdown: 1.1.3

react-native-select-dropdown: 2.0.4

react-native-simple-toast: 1.1.3

react-native-walkthrough-tooltip: 1.4.0

react-redux: 8.0.2

redux: 4.2.0

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