# Setup Instructions:

## System Requirements:

* Android 6.0 (Marshmallow) SDK or later
* For IOS development Xcode is required which is only available on MacOS.
* JDK
* Android Studio(Android SDK) for testing android development
* NPM/Node is required.
* A multi core CPU with around 4 gb of ram or more is ideal

## Installation instructions:

* Visit the official Node.js website: Node.js Downloads
* Download the LTS version, which is recommended for most users.
* Run the installer and follow the on-screen instructions.
* Download and install JDK 8 or later from the official Oracle website or use OpenJDK.
* Install android sdk with android studio

## Configuration steps:

* Set the ANDROID\_HOME environment variable to the Android SDK installation directory.
* Set the JAVA\_HOME environment variable to the JDK installation directory.
* Add the bin directory of the JDK to the system's PATH variable.

## Project creation:

* npx react-native@latest init AwesomeProject.

## Running the project:

* In a separate terminal run “npm run android” or test the project in android studio.

## Troubleshooting:

* Make sure all the environment variables are set.
* Make sure all the dependencies are installed.
* Look up any errors and setup environment variables.
* You can also try killing all the java processes if nothing works

## Resources:

* <https://reactnative.dev/docs/environment-setup>
* <https://stackoverflow.com/questions/52025389/create-new-react-native-app>
* <https://learn.microsoft.com/en-us/windows/dev-environment/javascript/react-native-for-android>