1. **System requirements**:

Windows Version: 10 or 11

Ram: At least 8 GB

Processor: 2nd generation Intel Core or newer

1. **Installation instructions**:

* First, install Node and Java SE development Kit (JDK) using chocolatey.
* Open Command prompt as an administrator, and run the following command:” choco install -y nodejs-lts microsoft-openjdk17”
* Next, Android studio must be downloaded. This can be done by going to their official website.
* After completing the configuration steps, select “Create virtual device”, and pick any phone from the list and click “Next”
* Select the UpsideDownCake API Level 34 image. Click next and finish.

1. **Configuration steps**:

* After installing Android studio, click on “more actions” button on the home screen and select SDK manager.
* Select SDK platforms, then check the box next to “Show Package Details”
* Android 14 (upsideDownCake) must be expanded, and the following items must be checked: “Android SDK Platform 34”, and “Intel x86 Atom\_64 system Image”
* Select the SDK tools tab and check “Show package details” again.
* Expand Android SDK build-Tools, then make sure 34.0.0 is selected
* Click “Apply”. This will install the Android SDK
* Now, we need to configure the ANDROID\_HOME environment variable
* Open windows control panel, click on User Accounts and User accounts again
* Click on “Change my environment variables”
* New must be clicked to create a new user variable with variable name “ANDROID\_HOME”, and variable value to %LOCALAPPDATA%\Android\Sdk
* Repeat the same steps again until you reach the menu after “Change my environment variables”
* Now, Select the path variable and click edit
* Click new and add the following path to platform-tools to the list. The default location is: %LOCALAPPDATA%\Android\Sdk\platform-tools.

1. **Project creation**:

* To create a new project, we can open command prompt and run the following command: “npx @react-native-community/cli@latest init AwesomeProject”. This will initiate the process of creation of a project called “Awesome project”
* Then to start Metro, run the following command: npm start

1. **Running the project**:

* Open a new terminal in your react native folder and run the following command: npm run android
* If everything is set up correctly, then you can see the app running in your emulator shortly.

1. **Troubleshooting**:

* If you are unable to start the project and are getting “Build failed messages”, then make sure you are using the React 0.74 instead of 0.75

1. **Resources**:

* <https://reactnative.dev/docs/getting-started-without-a-framework>
* <https://reactnative.dev/docs/set-up-your-environment>
* <https://www.aalavai.com/post/installing-react-native>