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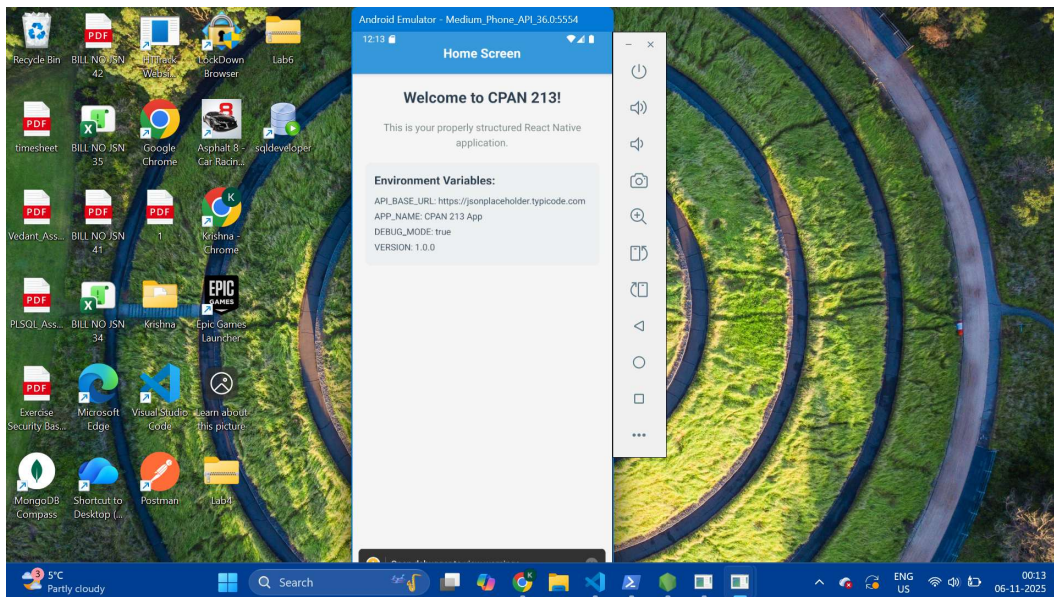
Date: November 6, 2025

1. Overview

This lab focused on setting up a complete React Native environment, including Android Studio, Node.js, ESLint, and Prettier configuration. I successfully created and ran a sample project named "Lab2." The app displayed environment variables on the home screen, confirming that the setup was working correctly.

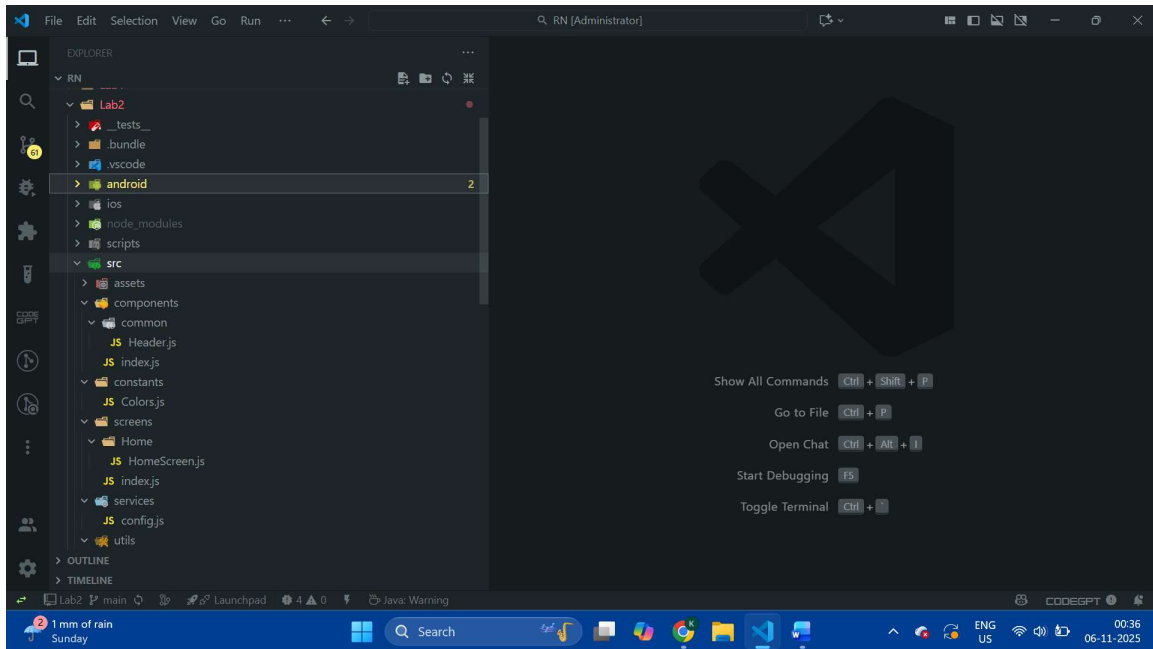
2. Screenshot of Working Application

Below is a screenshot showing the app running successfully on the Android Emulator:



3. Key Configurations

- Project Folder Structure: Organized under `src/` with separate folders for components, screens, and services.
- ESLint & Prettier: Configured to maintain consistent code quality and formatting.
- Environment Variables: Stored inside `.env` and accessed using `react-native-config`.
- VS Code Settings: Enabled auto-format and debugging integration for Android emulator testing.



4. Issues Faced and Solutions

| Issue | Description | Solution |
|--|---|--|
| *Parsing error: Config returned typeof string* | ESLint failed to read the configuration file correctly because <code>.eslintrc.js</code> was returning a string instead of an object. | Updated <code>.eslintrc.js</code> to properly export a JavaScript object using <code>module.exports = { ... }</code> , added correct plugins and rules, and re-ran <code>npm run lint</code> . |
| *Parsing error: No Babel config file detected* | The Babel configuration was missing or incorrectly formatted, causing the linter to fail. | Fixed by ensuring a valid <code>babel.config.js</code> file existed with the proper preset: <code>module:metro-react-native-babel-preset</code> . |

5. Learnings and Takeaways

Through this lab, I learned how to properly configure and structure a React Native project for development. I understood how to resolve ESLint and Babel parsing errors, confirm device boot status before installation, and test environment variables successfully. This setup ensures smooth future development for upcoming labs.