

1. What's package.json and package-lock.json?

Ans: Package.json -This is a file used in Node.js projects for project information and dependency management. It includes information such as the project's name, version, description, main file, scripts, author, license, and a list of dependencies that the project needs to run.

package-lock.json – This is a file that gets automatically generated when you run npm install. It locks the versions of the dependencies your project is using, ensuring that the same versions are installed if someone else installs the project. This helps maintain consistency and avoid version conflicts across different environments.

2. What's the difference between npm and npx?

Ans: npm (Node Package Manager) is a tool used to manage JavaScript packages. It's used to install, update, and manage the dependencies your project needs. You can use commands like npm install to add packages to your project or npm run to execute scripts defined in your package.json file.

npx is a tool that comes with npm (version 5.2.0 and above) and is used to execute packages. Instead of installing a package globally or locally, you can use npx to run a package directly.

3. What is babel?

Ans: Babel is a tool that ensures your modern JavaScript code works in older browsers. It transforms new JavaScript features and syntax into older, more compatible versions that all browsers can handle. It's also useful for converting React's JSX code into standard JavaScript.

4. What is webpack?

Ans: Webpack is a powerful tool for bundling your JavaScript files and other assets. It takes all your different modules (JavaScript, CSS, images, etc.) and combines them into a few bundled files. This makes it easier to manage and load your resources efficiently in a web application. Webpack also has features like code splitting, which helps optimize loading times by splitting your code into smaller chunks that can be loaded on demand.