

1. What is package.json and package-lock.json?

Package.json contains information about the project, including project's name, version, description, main file, and script for performing certain tasks. It also lists the project's dependencies and devDependencies to specify which packages are needed for the project to run and for development purposes. This file helps with managing and sharing the project configuration, making it easier for others to install the required dependencies and understand the project setup. Package-lock.json, on the other hand, is automatically generated when installing dependencies using npm. It locks the version of the dependencies and ensures the project is installed with the exact same version of packages across different environments, which makes it easier to reproduce the same setup.

2. What is the difference between npm and npx?

Npm is a node package manager for Javascript. It is used to install packages that are available on the npm registry into the project's node_module folder. Npx is a tool designed to execute packages without needing to globally or locally install them. It builds a temporary cache for storing the packages binaries if the packages have not been previously installed on the system. Once the execution has completed, Npx removes the installed cache binaries from the system.

3. What is babel?

Babel is a Javascript compiler that transforms modern versions of Javascript code into a version that is compatible with older versions of browsers and Node.js environments. It allows programmers to use the latest version of Javascript without worrying about the browser support. Babel can also convert JSX syntax and stripe out type annotation.

4. What is webpack?

Webpack is a module bundler for Javascript applications. It builds a dependency graph from your entry points and combines all the modules your project needs into one or more bundles that can be included in the HTML of a webpage.