

React Day-1 Advanced Training

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

⇒ package.json: A file in the root folder which contains metadata about the project and all the information about the dependencies. It also includes packages the project depends, scripts, versioning and project settings.

package-lock.json: A file that keeps the lock of the versions of the dependencies, due to which the project builds the same dependencies on every machine.

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

⇒ 'npm' stands for Node Package Manager, which is used to install packages and dependencies used in a project globally or locally.

Similarly, 'npx' is a tool that comes with "npm", which is used to execute packages directly without having to install them globally. With npx, we just apply the dependency once but do not install in our machine locally or globally.

3. What is babel?

⇒ A JavaScript compiler that transforms modern JavaScript (ES6+) into backward-compatible versions of JavaScript that can run in older environments. It's commonly used to ensure compatibility across different browsers.

4. What is webpack?

⇒ A module bundler for JavaScript applications. It takes modules with dependencies and generates static assets representing those modules. Webpack can bundle JavaScript, CSS, HTML, and even images, optimizing them for production.