**Building your own blockchain in JavaScript**

Beyond the social, financial, and technological disruptions that blockchain technology has the power to create, the simple idea that a piece of code could be behind all this has always is fascinating.

Let’s take a look at how we’d build a very simple block blockchain to help visualize how transactions are added.

**Requirements:**

This app is built in Node.js.

We’ll also be making use of the sha256 npm package to hash the blocks.

If you’re new to Node.js, first create a new directory, create an index.js file, and then from your terminal, run npm init -y from within your new directory. This creates a package.json file, which will allow us to install the sha256 package.

Run npm i sha256 to install the sha256 library.

If you’re on Repl.it, create a new Nodejs repl, install thejs-sha256 package, and require it.