Lab 8 \_ Supporting Material

**Using Postman:**

* Install Postman. <https://www.postman.com/>
* Open Postman and create a new request:
  + **Method:** POST
  + **URL:** http://127.0.0.1:8545
  + **Body:** Select raw and use JSON:

{

"jsonrpc": "2.0",

"method": "web3\_clientVersion",

"params": [],

"id": 1

}

* + **Click Send and verify the response in the Postman interface.**
* Using a Web3 Script: If students have Node.js installed, they can write a quick script using Web3.js to verify the connection:
* Create a file named testConnection.js in the project directory:

const Web3 = require('web3');

const web3 = new Web3('http://127.0.0.1:8545');

web3.eth.net.getId()

.then((networkId) => console.log(`Connected to network ID: ${networkId}`))

.catch((err) => console.error('Connection failed:', err));

* Run the script using Node.js:

node testConnection.js

The output will confirm if the connection is successful.

**Installing curl for Windows (Optional):**

* You can install curl for Windows from curl official website. <https://curl.se/>
* Add the curl.exe path to the system's environment variables so it can be used directly from the command line.