1. 電子郵件

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1. 嗨嗨，你的名子是?

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1. What is node.js?

Node.js is a cross-platform, open-source JavaScript runtime, which is designed to build scalable network applications. Node.js runs on the V8 JavaScript engine by Google, and executes JavaScript code outside a web browser. Node.js has an event-driven architecture and makes it has capability of running single-threaded, non-blocking, asynchronous programming in a memory efficient way. A series of build-in modules in Node.js help developers create an independent server without Apache HTTP Server or IIS.

1. What is npm?

npm is a node package manager for the JavaScript programming language maintained by npm, Inc. As an open-source package, npm is the default package manager for the JavaScript runtime environment Node.js and is included as a recommended feature in the Node.js installer.

1. What is localhost?

In computer networking, host means a “server”. Just like you can put a website on the internet by hosting it on a server, you can make your own computer that server. This connection is called **loopback**. Localhost is a hostname that refers to the local machine currently making the request. On many computers, localhost is an alias for the IP address 127.0.0.1. Just like you connect to remote websites, you may use the domain name like “google.com” or use the IP address **142.251.32.46** to browse.

**Why the IP is 127.0.0.1?**IPv4 spaces a few ranges for special purposes, like 10.x.x.x,172.x.x.x, and 192.x.x.x for private networks, the 127.0.0.0/8 is for internet host loopback addresses. Typically only 127.0.0.1 is used.

**Why the hostname is localhost?**

It’s a default name for each computer. You can change the hostname in the “hosts” file with the path C:\Windows\System32\drivers\etc. Add “127.0.0.1 newName” at the following line.

1. Why we need to add :3000 when we connect to express server?

The thing follows after “localhost:” and “127.0.0.1:” is port number. A port number is a way to identify a specific process to which an internet or other network message is to be forwarded when it arrives at a server. All network-connected devices come equipped with standardized ports that have an assigned number. These numbers are reserved for certain protocols and their associated function. Hypertext Transfer Protocol (HTTP) messages, for example, always go to port 80 -- one of the most commonly used ports.

1. GitHub 網址（作業程式碼）

<https://github.com/ChiehChunLin/remote-assignments.git>