**Node.js and npm**

**Node.js**

* platform for building fast, scalable network applications
* published 2009 by Ryan Dahl
* built on Chrome's V8 JavaScript runtime
* applications are written in JavaScript
* uses event-driven, non-blocking I/O model

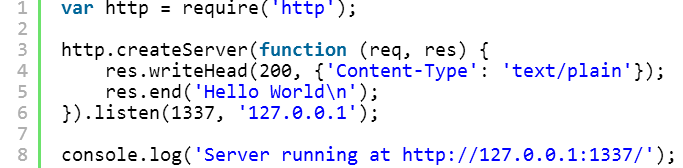
**npm**

* package manager of Node.js
* bundled with Node.js as of version 0.6.3
* important commands: npm install, npm publish

|  |  |
| --- | --- |
| ***When* to use** | ***When not* to use** |
| * lots of concurrent requests with few CPU cycles * JSON-based REST services * push-based data connections * streaming | * CPU-intensive tasks * few interaction with external resources * classical CRUD operations |

**Build a simple HTTP web server**

1. Create helloworld.js:

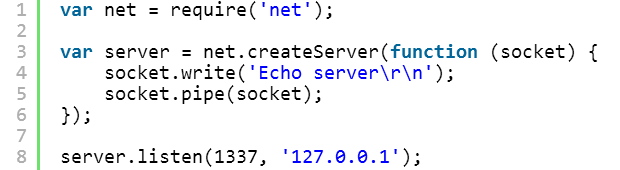


The web server at <http://127.0.0.1:1337/>  responds with "Hello World" for every request.

1. Run helloworld.js:

C:\Users\D056951\Desktop\helloworld_prompt.png

**Build a simple TCP web server**



The server at <http://127.0.0.1:1337/> echoes whatever you send it.