the Master Course

An introduction to **Node.**

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Node.js

What is Node?

A Javascript "Runtime" environment for writing JS away from the browser.

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What is **Node?**

Node is able to execute basic JavaScript but also has access to a standard library to allow for extra functionality.

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The Node standard library is also called the NodeJS API.

It gives us access to some useful methods and functionality that will help us build server side code.

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Some examples of the standard library functionality are:

- **File access**
- **Networking**
- **Starting Processes**
- **Compression**

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The browser also has a standard library, known as the WebAPI, including features like fetch(), document and window.

With server side Node we don't have access to these methods, and they wouldn't be much use either.

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Node.js

What is a "Runtime Environment"?

A basic explanation would be a runtime environment is the environment in which a program or application is executed.

Node uses the Chrome V8 Runtime Engine as its basis. Paired with the Node standard library this creates the Node Runtime Environment.

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On this section of the course we're going to use Node to create **Web Servers**, but Node can be used for all sorts of applications.

5 Minute Activity
Create a new file called **index.js**.
Inside that file, console log **"Hello World"**.
Run the file using the command **node index.js**.

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