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Web-340: Discussion 3.1

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Modules

Node.js modules are like a JavaScript language library. Node.js has some prebuilt in modules that don’t require installation. There are three module types: core, local, and third party. The core modules are included with Node.js and make up the most basic functionalities of Node.js. examples of core modules are http, url, and path. Local modules store functionalities in separate files and are integrated into your Node.js. Local modules can be created by anyone to perform any task. An example of this is to create a module that will return the date and time.

The code will look like this:

Exports.myDateTime = function() {

Return Date();

};

Using the keyword exports() allows the code to be used in other files.

This code will be saved in its own .js file. Then, to include this module into a Node.js file one would require() that .js file containing the created module.

var dt = require('./myfirstmodule');

To include a module into an index.js file the require() function is used. An example of this is:

Var express = require(‘express’);

The above code sample would include the Express module to an index.js file.

Modules are used because it is an organized way to keep track of more intricate JavaScript code that can be used throughout the Node.js.

If someone wants to install a Node.js module in their code, they would navigate to the CLI. Once there they would navigate to there Node.js file and insert the following command:

npm install express –save

This command installs the express module into the node.js file. Simply change the word ‘express’ to the module you wish to include in your application.

Resources:

*Node.js Modules* . w3Schools. (n.d.). Retrieved January 17, 2023, from https://www.w3schools.com/nodejs/nodejs\_modules.asp

*Node.js modules*. TutorialsTeacher. (n.d.). Retrieved January 17, 2023, from https://www.tutorialsteacher.com/nodejs/nodejs-modules

*Node.js local modules*. TutorialsTeacher. (n.d.). Retrieved January 17, 2023, from https://www.tutorialsteacher.com/nodejs/nodejs-local-modules