



Developing Back-End Apps with Node.js and Express

Module 1 Cheat Sheet: Introduction to Server-Side JavaScript

Package/Method	Description	Code Example
http.createServer	<p>http package is used for establishing remote connections to a server or to create a server which listens to client.</p> <p>createServer - Takes a requestListener, a function which takes request and response parameters, where request is the handle to the request from the client and response is the handle to be sent to the client.</p>	<pre> 1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 7. 7 8. 8 9. 9 const http = require('http'); const requestListener = function(req, res) { res.writeHead(200); res.end('Hello, World!'); }; const port = 8080; const server = http.createServer(requestListener); console.log('server listening on port: ' + port); server.listen(port); </pre>
new Date()	<p>new Date() method returns the current date as an object.</p> <p>You can invoke methods on the date object to format it or change the timezone.</p>	<pre> 1. 1 2. 2 3. 3 4. 4 module.exports.getDate = function getDate() { let aestTime = new Date().toLocaleString("en-US", {timeZone: "Australia/Brisbane"}); return aestTime; } </pre>
import()	<p>The import statement is used to import modules that some other module has exported. A file that includes reusable code is known as a module.</p>	<pre> 1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 7. 7 8. 8 9. 9 // addTwoNos.mjs function addTwo(num) { return num + 4; } export { addTwo }; // app.js import { addTwo } from './addTwoNos.mjs'; // Prints: 8 console.log(addTwo(4)); </pre>
require()	<p>The built-in NodeJS method require() is used to incorporate external modules that are included in different files.</p>	<pre> 1. 1 2. 2 3. 3 module.exports = 'Hello Programmers'; let msg = require('./messages.js'); console.log(msg); </pre>

The require()
statement
essentially
reads and
executes a
JavaScript file
before
returning the
export object.

Changelog

Date	Version	Changed by	Change Description
04-07-2022	1.0	Pallavi	Initial version created
18-10-2022	1.2	Sapthashree K S	Cheatsheet updated
17-11-2022	1.3	K Sundararajan	IDSN logo updated based on Beta feedback
29-11-2022	1.4	K Sundararajan	Minor upates based on Beta feedback
04-05-2023	1.5	K Sundararajan	Updated some codes based on reviews

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