



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	http package is used for establishing remote connections to a server or to create a server which listens to client.	<ol style="list-style-type: none"> 1. 2. 3. 4. 5. 6. 7. 8. 9.
	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.	<ol style="list-style-type: none"> 1. const http = require('http'); 2. const requestListener = function(req, res) { 3. res.writeHead(200); 4. res.end('Hello, World!'); 5. } 6. const port = 8080; 7. const server = http.createServer(requestListener); 8. console.log('server listening on port: ' + port); 9. server.listen(port);
new Date()	new Date() method returns the current date as an object.	<ol style="list-style-type: none"> 1. 1 2. 2 3. 3 4. 4
	You can invoke methods on the date object to format it or change the timezone.	<ol style="list-style-type: none"> 1. module.exports.getDate = function getDate() { 2. let aestTime = new Date().toLocaleString("en-US", {timeZone: "Australia/Brisbane"}); 3. return aestTime; 4. }
import()	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.	<ol style="list-style-type: none"> 1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 7. 7 8. 8 9. 9
		<ol style="list-style-type: none"> 1. // addTwoNos.mjs 2. function addTwo(num) { 3. return num + 4; 4. } 5. export { addTwo }; 6. // app.js 7. import { addTwo } from './addTwoNos.mjs'; 8. // Prints: 8 9. console.log(addTwo(4));
require()	The built-in NodeJS method require() is	<ol style="list-style-type: none"> 1. 1 2. 2 3. 3

used to
incorporate
external
modules that
are included in
different files.
The require()
statement
essentially
reads and
executes a
JavaScript file
before
returning the
export object.

1. module.exports = 'Hello Programmers';
2. let msg = require('./messages.js');
3. console.log(msg);

Copied!

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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