



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><b>createServer</b> - 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  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);</pre> <div>Copied!</div>
new Date()	<p>new Date() method returns the current date as an object. 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  1. module.exports.getDate = function getDate() { 2.   let aestTime = new Date().toLocaleString("en-US", {timezone: "Australia/Brisbane"}); 3.   return aestTime; 4. }</pre> <div>Copied!</div>
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  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));</pre> <div>Copied!</div>
require()	<p>The built-in NodeJS method require() is 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.</p>	<pre>1. 1 2. 2 3. 3  1. module.exports = 'Hello Programmers'; 2. let msg = require('./messages.js'); 3. console.log(msg);</pre> <div>Copied!</div>

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