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. **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.	1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 7. 7 8. 8 9. 9 ```\n1. const http = require('http');\n2. const requestListener = function(req, res) {\n3. res.writeHead(200);\n4. res.end('Hello, World!');\n5. }\n6. const port = 8080;\n7. const server = http.createServer(requestListener);\n8. console.log('server listening on port: '+ port);\n9. server.listen(port);\n``` Copied!
new Date()	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.	1. 1 2. 2 3. 3 4. 4 ```\n1. module.exports.getDate = function getDate() {\n2. let aestTime = new Date().toLocaleString("en-US", {timeZone: "Australia/Brisbane"});\n3. return aestTime;\n4. }\n``` Copied!
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.	1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 7. 7 8. 8 9. 9 ```\n1. // addTwoNos.mjs\n2. function addTwo(num) {\n3. return num + 4;\n4. }\n5. export { addTwo };\n6. // app.js\n7. import { addTwo } from './addTwoNos.mjs';\n8. // Prints: 8\n9. console.log(addTwo(4));\n``` Copied!
require()	The built-in NodeJS method require() is	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);
```

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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