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| Module.exports is an object  We use it to export information from a file we made to another file we made.  In order to do so, in the exported file, we must use exports.name = name ;  And in the usable file we need to require it  exports.square = square;  const { square , IP } = require('./math');  the export implement the to the exports object the object you named and the value you gave to it after the = | Module.Exports + Requiring Modules |
| A package is a code somebody else has written  Using NPM allows us to download the code  NPM is a command line tool to easily install and manage those packages in our Node projects  NPM stands for Node package manager  NPM is the node community | Using NPM – introducing NPM |
| To use the NPM tool write a command line in the terminal that her structure is :  NPN install + name of the package  Pay attension you require the right package name when you install it  Before installing a package package.json is required  When you install with npm package-lock and node\_modules will be added.  All the folders inside node-modules are dependencies for the package you installed  Package-lock is a record of the contents of the node\_modules directory  Than require the name of the package to the file you are working with | Installing Packages |
|  | Creating Package.json files |
|  | The Dad Jokes Package |
|  | Rainbow Package |
|  | The Figlet Package |
|  | Franc Package |
| The index.js is the main file for the directory which he is in. there can be many index.js through out the project  When you require an entire directory node.js is going to look for an index file and whatever the file exports is what the directory exports  module.exports = allCats;  const cats = require('./shelter'); | Requiring a directory |
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