

The Node Event emitter

node.js have a bunch of inbuilt core modules which we can use in our applications. One of those core modules in node.js is called the "events module".

events

when we require a core module, we take module name not path, because it is a core module built into node.js, node will recognize ~~that~~ that and it will go out & fetch that module for us.

7 events
var stuff = require('events') ← core module

what ever is returned on the module exports of this module is going to be

Added in this events variable

① One of the things returned on that module, exports property in this module is event emitter.

Event emitter (val events = require('events'))
↓
custom event

we can use event emitter in node.js
to create custom events & then react
to those events when they are emitted.

→ indicates emits the events
myEmitter.on('someEvent', function(msg) {

EventEmitter is used to trigger an event .on is
used to add a call back function that's going to be
executed when the event is triggered.

④ util is another core module

which allows us to do various things.
One of the things that the util module allows
us to inherit certain things from objects
built into node.js or other objects.

forEach method

is used to call function for
each element in an array.

q4 Reading & writing files (fs)

To read & write files on our computer we need one of the node.js core modules that module is called FS.

④ FS module is another core module;

fs.readFileSync()

↓ is a method that is used to

go out and read the file.

fs.readFileSync('readMe.txt', 'utf8');

filename

↓

is used to
convert binary
into text format

reading
(synchronous)

var fs = require('fs');

var readMe = ~~fs.readMe~~

synchronous means I'll
after completing fully
this operation I'll
will go down.

fs.readFileSync('readMe.txt', 'utf8');

console.log(readMe);

readMe.txt

Yay, you read me!

readme & writing!

val fs = require('fs');

val readme = same as above

fs.writeFileSync('writeMe.txt', readme);

when we run this

writeMe.txt file will be created
& data in readme file will be
in the writeMe.txt file.

fs.readFile('readMe.txt', 'utf8', function(err, data) {
 console.log(data);
})

↓ gives error
↓ problem in m
↓ ready data

⑦ Call back function when we use asynchronous
method, to fire when the process is
completed.

Asynchronous (means first do below operations & come to this method
and complete's)

val fs = require('fs');

fs.readFile('readMe.txt', 'utf8', function(err, data) {
 fs.writeFile('writeMe.txt', data);
});

⑧ console.log('text');

but / best

yay, you read me.