Cmd : node index.js in VS Code terminal, Ryan Dahl motto to run JavaScript outside the browser

NodeJS : open source : GitHub

Browse nodejs : docs : Left side API

Graphical user interface, application, PowerPoint

Description automatically generated

A picture containing graphical user interface

Description automatically generated

Nodejs : to run JS outside the browser, open source – GitHub

MODULES : rt clk any browser page console

Graphical user interface, text, application, email

Description automatically generated

In JS, Window is Global Object, in nodejs there is object called Module

Window.export is not present in nodejs, bcoz nodejs is used to develop backend APIs

console.log(module);

Create new Folder – new project

Cmd : npm init – browse : <https://docs.npmjs.com/cli/v7/commands/npm-init>

$ npm init react-app ./my-react-app

Terminal : type cmd in program folder : npm init, keep clicking enter or add any info which reflects in pkg.json : package.json created

Create index.js file : HTTP Server : Server by which APIs are created at Client Side : URL to CRUD

Browse nodejs http module, type code : run node index.js but this cmd does not end, so type localhost:port\_number (<http://localhost:8005/>) in browser & observe the terminal

Send JSON response in nodejs

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

res.setHeader('Content-type', 'application/json'); //if text/html

    const data = {"name":"KGF"};

    res.write(data); //error bcoz JSON directly can't be sent to res.write, res.write accepts data in string format always

    //res.write("<h1>Hello World!</h1>"); //if text/html

    res.end();

Text

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Postman : basic API is created -- create HTTP modules for HTTP Servers : sending data from Server side to Client side : create API using bare node. Node is scripting lang & extension of JS ES, create scripts, create servers

RESTful APIS : Rest methods : post, get, put, delete

SOAP : XML

RESTful/REST API : JSON format data passing between & frontend

NODE : mainly used to create backend APIs

A screenshot of a computer

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