Noder J8 - Neck-3 Assignment

npm commands >

- > npm init initializes a mode project. Executes packages 180h to track exequired modules | packages as well as node modules folder to track imported packages.
- install-installs any requirements for the local node package based on the contents of package pson.
- >nbm install <package name> vistall a package from nbm'sown
 repository as well as any requirements specified in that
 package's package json file.
- → Web Service A type of API that support HTTP requests, returning data such as ISON or plain text.
- → nbm The node package manager, used to initialize package json files & initall Node project dependencies.
- -> Express A module for simplifying the http server core modules in Node to implement API.
- -Module A Standalone package which can be used to extend the functionality of a Node project.
- → Servor A publicly accessible machine which exchanges information with one or more whent at a time.
- -> dient A private or public machine which requests information from a server.

Useful core Modules

- -> fs The 'file system' module with various function do process data in file system.
- path provides functions to process both string.
- util Provides various "utility" functions, such as util-promisely.

Express Route Functions-

D syntox app.get ("path", middlewoon Fn (s));

Defines a sorver endpoint which accepts a valid GET request.

=> app.get ("/", (neg, nes) => {

3);

=> alph-get ("/2.city", (neq, nes)=>{

let city = neq. params. city;

=> app-get ("1 cety data", (req. nex) => {
 let cety = req. query. cety;

});

app-get ("/", validate Input, (neq, nes) => {
}, hardle Even);

② Syntax- cupp.post ("path", muddlewarth(s)); Define a servor endpoint which accepts a valid POST request.

Request Object Proporties/Function-

- => req-params= captures a dictionary of desired path parameters. Keys are placeholder names & values are URL itself.
- 7 key/= value/8 key2=value2 4. pattern.
- => oreq. body => Molds a dictionary of POST parameters as key/value pairs,
- parser module.

Response Object proporties | Functions.

Q syntax res. set (headon warre, value);

→ 21 cs. Set ("Content-Type", "text | Wlain");

-1 91 cs. set ("content-Type", "application/json");

Used to set different response header commonly the "content. Type".

② Syntax- → nes.type ("text"); -> nes. type ("fson");

Shorthand for setting the "content-Type" headen.

3 Syntax- nes. send (dota);

-> 91es. send ("Hello");

> Mrs. slud ({ "msg"; "hello"});

Sends the data back to dieut, signaling an end to the eresponse (doesnot terminate your Is program).

(3) Syntax - ones. end(); Ends the request presponse cycle without any data. (does not terminate your 15 program).

(5) The Syntax- Mes. Jon (data); Shorthand for setting the content type to JSON & sending JSON.

Syntax- 91es. Status (Status Code)

-> res. Status (400). send ("ichert-side error message"); -) Mes. status (500). send ("servor side evolor message");

Specifies the HTTP status code of response to communicate success failure to a chient.