Http Module

* Node.js has a built-in module called HTTP, which allows Node.js to transfer data over the Hyper Text Transfer Protocol (HTTP).
* To include the HTTP module, use the require() method:
* The HTTP module can create an HTTP server that listens to server ports and gives a response back to the client.
* Use the createServer() method to create an HTTP server:

Example:

var http = require('http');//create a server object  
http.createServer(function (req, res) {  
  res.write('Hello World!'); //write a response to the client  
  res.end(); //end the response  
}).listen(8080); //the server object listens on port 8080

The function passed into the http.createServer() method, will be executed when someone tries to access the computer on port 8080.

## Add an HTTP Header

## If the response from the HTTP server is supposed to be displayed as HTML, you should include an HTTP header with the correct content type:

## var http = require('http'); http.createServer(function (req, res) { ****res.****writeHead****(****200****, {****'Content-Type'****:****'text/html'****});****   res.write('Hello World!');   res.end(); }).listen(8080);

Read the Query String

* The function passed into the http.createServer() has a req argument that represents the request from the client, as an object (http.IncomingMessage object). This object has a property called "url" which holds the part of the url that comes after the domain name:

**Example:** demo\_http\_url.js

var http = require('http');  
http.createServer(function (**req**, res) {  
  res.writeHead(200, {'Content-Type': 'text/html'});  
  res.write(**req.url**);  
  res.end();  
}).listen(8080);

**Node.js [query String module](https://www.geeksforgeeks.org/node-js-query-string/)is used as utilities for parsing and formatting URL query strings. It can be used to convert query string into JSON object and vice-versa.**