

Assignment No	4
Title	To create http server and apply operations
Objective	A) Inspect http header B) Open file and print it on browser C) Read CSV file and print on browser D) Read pdf file and display on browser
Roll No	MCA2511

### CODE & OUTPUT:

#### A) Inspect http header

[httpserver.js](#):

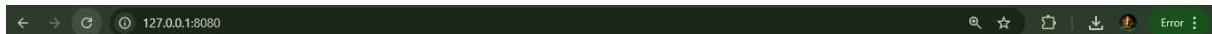
```
var h = require('http');
h.createServer(
  function (req, res) {
    res.writeHead(200, {'Content-Type' : 'text/html'});
    res.write('<html><body><h1>Hello MCA Sem I</body></html>');
    res.end();
}).listen(8080);
```



# Hello MCA Sem I

[httpserver2.js](#):

```
var h = require('http');
var u = require('util');
h.createServer(
  function (req, res) {
    res.writeHead(200, {'Content-Type' : 'text/html'});
    res.write(u.inspect(req.headers));
    res.end();
}).listen(8080);
```



```
{ host: '127.0.0.1:8080', connection: 'keep-alive', 'cache-control': 'max-age=0', 'sec-ch-ua': '"Chromium";v="140", "Not=A?Brand";v="24", "Google Chrome";v="140", 'sec-ch-ua-mobile': '0', 'sec-ch-ua-platform': '"Windows"', 'upgrade-insecure-requests': '1', 'user-agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36', accept: 'text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7', 'sec-fetch-site': 'none', 'sec-fetch-mode': 'navigate', 'sec-fetch-user': '?1', 'sec-fetch-dest': 'document', 'accept-encoding': 'gzip, deflate, br, zstd', 'accept-language': 'en-IN,en-GB;q=0.9,en-US;q=0.8,en;q=0.7,hi;q=0.6' }
```

## B) Open file and print it on browser

[httpserver3.js](#):

```
var h = require('http');
var f = require('fs');

h.createServer(
    function (req, res) {
        res.writeHead(200, { 'Content-Type' : 'text/html'});
        var rfs = f.createReadStream('Lab1.js');
        rfs.pipe(res);
    }).listen(8080);
```



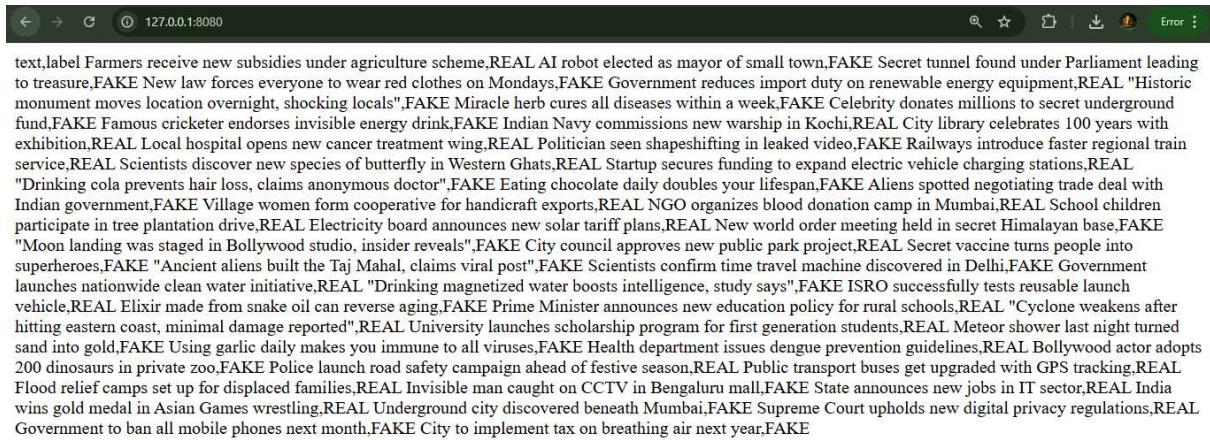
```
// Addition, Subtraction, Multiplication, Division, Modulos function function add(x,y) {return x+y;} function sub(x,y) {return x-y;} function mul(x,y) {return x*y;}
function div(x,y) {return x/y;} function mod(x,y) {return x%y;} // Function to calculate sum between two numbers function sumoftwono(x,y) { sum = 0;
for(i=x;i<=y;i++) sum = sum + i; return sum; } // Factorial function function fact(x) { fact = 1; for(i=x;i>0;i--) fact = fact * i; return fact; } // Giving values n1=10;
n2=12; console.log("Addition of "+n1+" & "+n2+"\nt:t:" + add(n1,n2)); console.log("Subtraction of "+n1+" & "+n2+"\nt:t:" +sub(n1,n2)); console.log("Multiplication of
"+n1+" & "+n2+"\nt:t:" + mul(n1,n2)); console.log("Division: of "+n1+" & "+n2+"\nt:t:" + div(n1,n2)); console.log("Modulos: of "+n1+" & "+n2+"\nt:t:" + mod(n1,n2));
console.log("Factorial of "+n1+" is "+fact(n1)); console.log("Sum of between two no "+n1+" & "+n2+" is "+sumoftwono(n1,n2));
```

## C) Read CSV file and print on browser

[httpserver4.js](#):

```
var h = require('http');
var f = require('fs');

h.createServer(
    function (req, res) {
        res.writeHead(200, { 'Content-Type' : 'text/html'});
        var rfs = f.createReadStream('fake_news_demo.csv');
        rfs.pipe(res);
    }).listen(8080);
```



#### D) Read pdf file and display on browser

[httpserver5.js](#):

```
var h = require('http');
var f = require('fs');

h.createServer(
  function (req, res) {
    res.writeHead(200, {'Content-Type' : 'application/pdf'});
    var rfs = f.createReadStream('WEB LAB 3.pdf');
    rfs.pipe(res);
  }).listen(8080);
```

The screenshot shows a browser window with the URL 127.0.0.1:8080. On the left, there is a thumbnail of a PDF document titled "WEB TECH LAB 3". On the right, there is a table with the following data:

Program No	3
Roll No	MCA2511
Title	Creating modules in Node.js
Objective	Create a calculator module in node js B1

Below the table, there is a section labeled "CODE:" followed by two code snippets:

```
lab3.js
// Addition, Subtraction, Multiplication, Division, Modulos function
exports.add = function add(x,y) {return x+y;}
exports.sub = function sub(x,y) {return x-y;}
exports.mul = function mul(x,y) {return x*y;}
exports.div = function div(x,y) {return x/y;}
exports.mod = function mod(x,y) {return x%y;}
```

```
uselab3.js
var uselab3 = require('./lab3.js');
```