

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);
```

127.0.0.1:8080

```
{ 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);
```

127.0.0.1:8080

```
// 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+"\t\t:" + add(n1,n2)); console.log("Subtraction of "+n1+" & "+n2+"\t\t:" +sub(n1,n2)); console.log("Multiplication of
"+n1+" & "+n2+"\t\t:" + mul(n1,n2)); console.log("Division: of "+n1+" & "+n2+"\t\t:" + div(n1,n2)); console.log("Modulos: of "+n1+" & "+n2+"\t\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);
```

text,label Farmers receive new subsidies under agriculture scheme,REAL AI robot elected as mayor of small town,FAKE Secret tunnel found under Parliament leading to treasure,FAKE New law forces everyone to wear red clothes on Mondays,FAKE Government reduces import duty on renewable energy equipment,REAL "Historic monument moves location overnight, shocking locals",FAKE Miracle herb cures all diseases within a week,FAKE Celebrity donates millions to secret underground fund,FAKE Famous cricketer endorses invisible energy drink,FAKE Indian Navy commissions new warship in Kochi,REAL City library celebrates 100 years with exhibition,REAL Local hospital opens new cancer treatment wing,REAL Politician seen shapeshifting in leaked video,FAKE Railways introduce faster regional train service,REAL Scientists discover new species of butterfly in Western Ghats,REAL Startup secures funding to expand electric vehicle charging stations,REAL "Drinking cola prevents hair loss, claims anonymous doctor",FAKE Eating chocolate daily doubles your lifespan,FAKE Aliens spotted negotiating trade deal with Indian government,FAKE Village women form cooperative for handicraft exports,REAL NGO organizes blood donation camp in Mumbai,REAL School children participate in tree plantation drive,REAL Electricity board announces new solar tariff plans,REAL New world order meeting held in secret Himalayan base,FAKE "Moon landing was staged in Bollywood studio, insider reveals",FAKE City council approves new public park project,REAL Secret vaccine turns people into superheroes,FAKE "Ancient aliens built the Taj Mahal, claims viral post",FAKE Scientists confirm time travel machine discovered in Delhi,FAKE Government launches nationwide clean water initiative,REAL "Drinking magnetized water boosts intelligence, study says",FAKE ISRO successfully tests reusable launch vehicle,REAL Elixir made from snake oil can reverse aging,FAKE Prime Minister announces new education policy for rural schools,REAL "Cyclone weakens after hitting eastern coast, minimal damage reported",REAL University launches scholarship program for first generation students,REAL Meteor shower last night turned sand into gold,FAKE Using garlic daily makes you immune to all viruses,FAKE Health department issues dengue prevention guidelines,REAL Bollywood actor adopts 200 dinosaurs in private zoo,FAKE Police launch road safety campaign ahead of festive season,REAL Public transport buses get upgraded with GPS tracking,REAL Flood relief camps set up for displaced families,REAL Invisible man caught on CCTV in Bengaluru mall,FAKE State announces new jobs in IT sector,REAL India wins gold medal in Asian Games wrestling,REAL Underground city discovered beneath Mumbai,FAKE Supreme Court upholds new digital privacy regulations,REAL Government to ban all mobile phones next month,FAKE City to implement tax on breathing air next year,FAKE

## 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);
```

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

CODE:

```
lab3.js

// Addition, Subtraction, Multiplication, Division, Modules 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');
```