

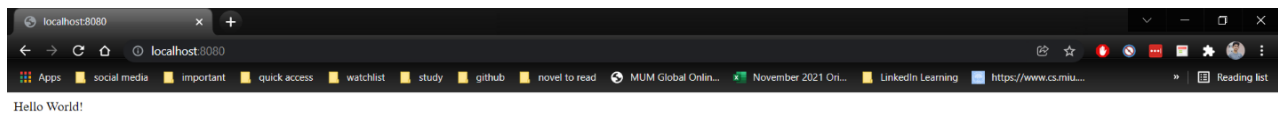
## 1. Exercise N1: HelloWorld.js

//HelloWorld.js

```
var http = require('http');

http.createServer(function (req, res) {
  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.end("Hello World!");
}).listen(8080);
```

Output:



## 2. Exercise N2:

a. DateTime

//MyDateTime.js

```
var http = require('http');
var dt = require('./myModule');

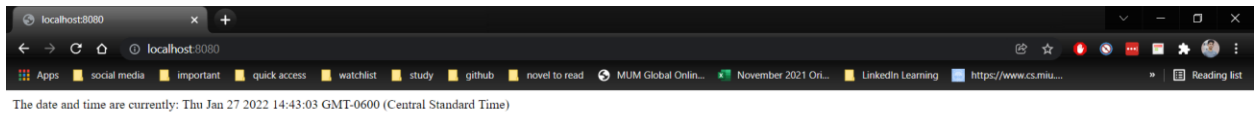
http.createServer(function (req, res) {
  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.write("The date and time are currently: " + dt.myDate());
  res.end();
}).listen(8080);
```

// MyModule.js

```
myDate = function () {
  return Date();
}

exports.myDate = myDate;
```

Output:



b. User

//UserDetail.js

```
var http = require('http');
const user = require('./userfile');

http.createServer(function (req, res) {
  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.write(user.getName() + ' lives in ' + user.getLocation() + ' and was born on ' + user.dob);
  res.end();
}).listen(8080);
```

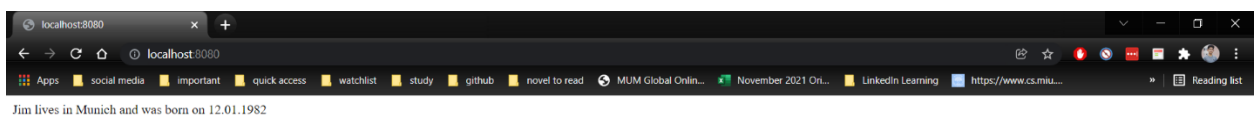
//userfile.js

```
const getName = () => {
  return 'Jim';
};
const getLocation = () => {
  return 'Munich';
};

const dateOfBirth = '12.01.1982';

exports.getName = getName;
exports.getLocation = getLocation;
exports.dob = dateOfBirth;
```

Output:



## Exercise N3:

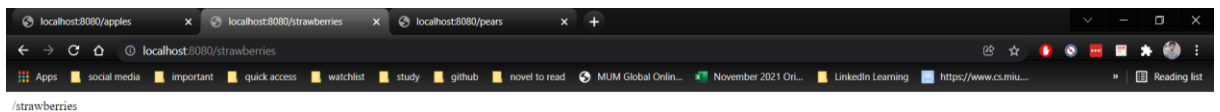
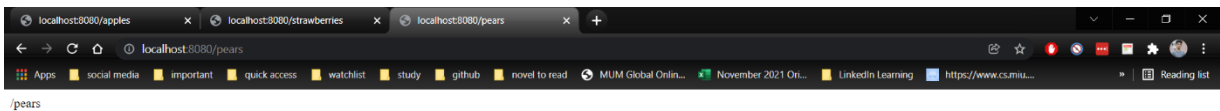
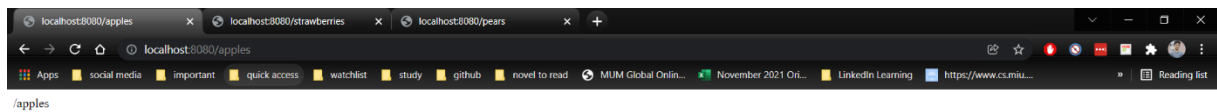
c. URL  
//MyUrl.js

```
const http = require('http');
http.createServer(function (req, res) {

  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.write(req.url);
  res.end();

}).listen(8080);
```

Output:



d. Query

// Query.js

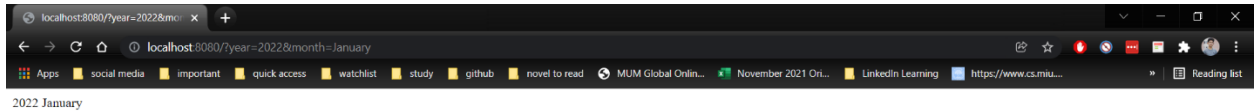
```
var http = require('http');
var url = require('url');
http.createServer(function (req, res) {
  res.writeHead(200, { 'Content-Type': 'text/html' });
```

```

    var q = url.parse(req.url, true).query;
    var txt = q.year + " " + q.month;
    res.end(txt);
  }).listen(8080);

```

Output:



## Exercise N4: SimpleAdder

//AdderWebServier.js

```

const http = require('http');
const url = require('url');
const fs = require('fs');
const addmod = require('./addmod');

http.createServer(function (req, res) {

  var q = url.parse(req.url, true);
  var filename = "." + q.pathname;
  if (q.pathname == "/add.js") {
    addmod.add(req, res, q.query);
  } else {
    fs.readFile(filename, function (err, data) {
      if (err) {
        res.writeHead(404, { 'Content-Type': 'text/html' });
        return res.end("404 Not Found");
      }
      res.writeHead(200);
      res.write(data);
      return res.end();
    });
  }

}).listen(8080);

```

//addmod.js

```
exports.add = function (req, res, vals) {
  var sum = parseInt(vals.first) + parseInt(vals.second);
  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.write(`<!DOCTYPE html>
<html>
<head><meta charset=\"utf-8\"/>
<title>Calculator Web Site</title>
</head>
<body>
<p>The sum is: ${String(sum)}</p>
</body>
</html> ` );
  return res.end();
};
```

//SimpleAdder.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Simple Adder</title>
  </head>
  <body>
    <form action="http://localhost:8080/add.js">
      <div>
        Enter two numbers <input type="text" name="first" /><br />
        <input type="text" name="second" /><br />
        <input type="submit" value="Click" />
      </div>
    </form>
  </body>
</html>
```

Output:

