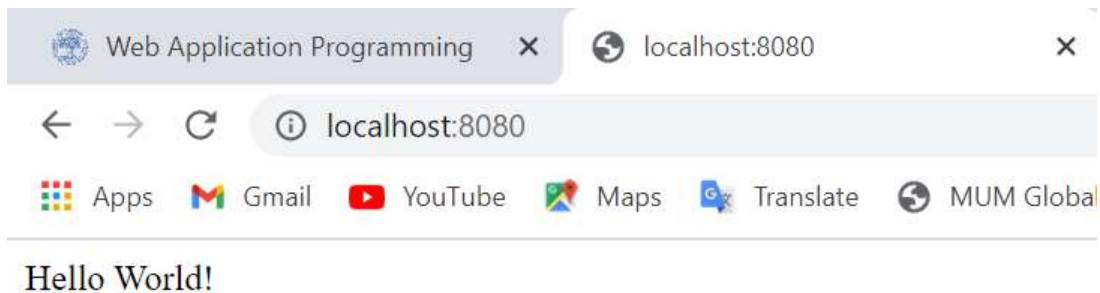


Exercise N1

//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



Exercise N2

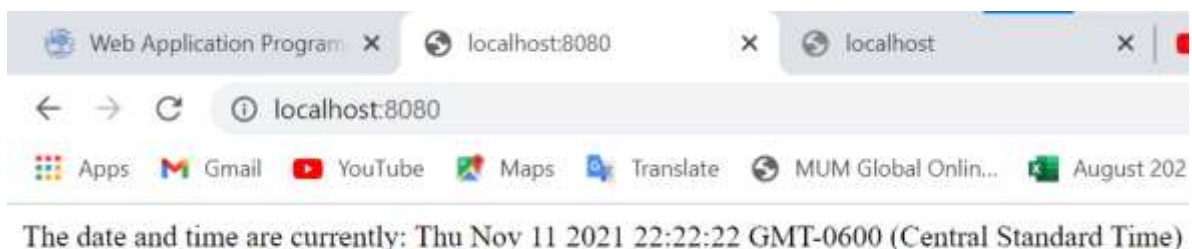
//myModule.js

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

//ExerciseN2.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);
```

//Output



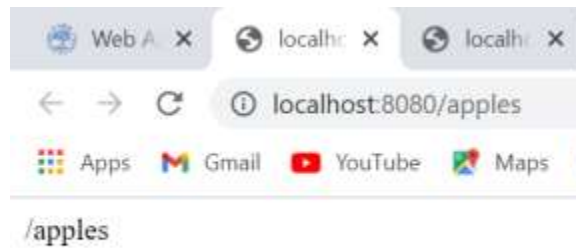
Exercise N3

//HelloWorld.js

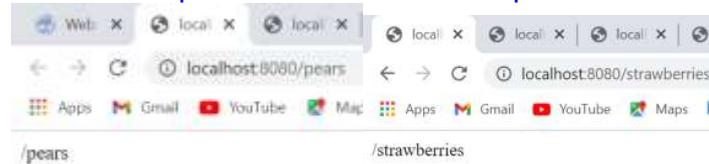
```
var http = require('http');
http.createServer(function (req, res) {
  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.write(req.url);
  res.end();
}).listen(8080);
```

//Output

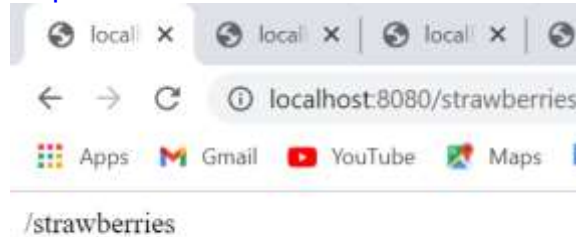
<http://localhost:8080/apples>



<http://localhost:8080/pears>



<http://localhost:8080/strawberries>



Exercise N4

//SimpleAdder.html

```
<html>
<head>
  <title>Adder</title>
</head>
<form action="http://localhost:8080/add.js">
  <div>Enter two numbers <br>
    <input type="text" name="first" /><br />
    <input type="text" name="second" /><br />
    <input type="submit" value="Click" />
  </div>
</form>
</html>
```

//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>");
  res.write("<html>");
  res.write("<head><meta charset=\"utf-8\"/>");
  res.write("<title>Calculator Web Site</title>");
  res.write("</head>");
  res.write("<body>");
  res.write("<p>The sum is: ");
  res.write(String(sum));
  res.write("</p>");
  res.write("</body>");
  res.write("</html>");
  return res.end();
};

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();
};
```

Exercise N4

//AdderWebServer.js

```
var http = require('http');
var url = require('url');
var fs = require('fs');
var addmod = require('./addmod.js');
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); // Content-Type not included
      res.write(data);
      return res.end();
    });
}).listen(8080);
```

//Output

