

## Week 4

This week we are creating our first web application with node js

[illegible]

This initial code is the base of our app and the with the address and port number we can see what it looks like on google.

This code outputs a hello page

And the second block of code adds an about page and there is an address which is the user and book id.

[illegible]

Once i add and run this new code. The output of localhost:5000/GetStudents is all the information added to the students.json file

The screenshot shows a VS Code editor with a file explorer on the left containing 'index.js', 'Person.js', 'StudentInfo.js', 'Lab4', 'index', 'package.json', 'Student.json', 'node\_modules', 'student', 'package-lock.json', and 'package.json'. The main editor displays 'index.js' with the following code:

```
19 app.get('/getstudents',function(req,res)
20 {
21   studentdata={
22     //readfile _dirname + "/" + "student.json", "utf8",
23     function(err,data){ console.log(data);
24     res.json({ 'status':true, 'status_code':200,
25     'requested at': req.localtime, 'requrl':req.url,
26     'request method':req.method, 'studentdata':JSON.parse(
27     data)});
28   });
29 }
30
31 //get /getstudentid/id,(req,res)=>
32 app.get('/getstudentid/id',(req,res)=>{
33   //readfile _dirname + "/" + "student.json", "utf8",
34   //function(err,data){
35   //  console.log("student",student);
36   //  if (student)
37   //    res.json(student);
38   //  else
39   //    res.json({ 'status':true, 'status_code':200,
40   //    'requested at': req.localtime, 'requrl':req.url,
41   //    'request method':req.method, 'studentdata':JSON.parse(data)});
42   //}
43 }
```

The terminal at the bottom shows the command 'node lab4' and the output of the application, including the JSON data for a student:

```
Node.js v8.16.0
PS D:\SECOND\VSCode\lab4 and app dev> node lab4
server is running on port 5000
Student {
  name: 'Jonathan',
  age: 23,
  Qualification: 'BSC',
  email: 'std123@gmail.com',
  id: 1
}
```

The new code highlighted Get Studentid is a funvction that will output the data on a specific student based on the student id which is accociated with a number in the student.json file

The screenshot shows a VS Code editor with a file explorer on the left containing 'index.js', 'Person.js', 'StudentInfo.js', 'Lab4', 'index', 'package.json', 'Student.json', 'node\_modules', 'student', 'package-lock.json', and 'package.json'. The main editor displays 'index.js' with the following code:

```
32 app.get('/getStudentid/id',(req,res)=>{
33   //function(err,data){
34   //  console.log("student",student);
35   //  if (student)
36   //    res.json(student);
37   //  else
38   //    res.json({ 'status':true, 'status_code':200,
39   //    'requested at': req.localtime, 'requrl':req.url,
40   //    'request method':req.method, 'studentdata':JSON.parse(data)});
41   //}
42 }
```

The terminal at the bottom shows the command 'node lab4' and the output of the application, including the JSON data for a student:

```
Node.js v8.16.0
PS D:\SECOND\VSCode\lab4 and app dev> node lab4
server is running on port 5000
Higher National Certificate
```

In the last task i created html file a wrote code for a form then appended into my index file.

Then there is a post method which outputs your answers back to you.