

Week 3

Exercise 1

Create index.js and write code defining a function named employeeinfo that takes in 2 parameters called name and salary

```
JS index.js > ...
1 // defines the function EmployeeInfo
2 function EmployeeInfo(name, Salary)
3 {
4     console.log("Welcome " + name + " your monthly salary is: " + Salary)
5 }
6
7 console.log("This is NOT my first programme")
8
9 //defining variables
10 var EmployeeName = "Brian"
11 var EmployeeSalary = 4444
12
13 //calling function employeeinfo
14 EmployeeInfo(EmployeeName, EmployeeSalary)
```

Exercise 2

Create an arrow function, call the function with the parameter "java" but in my case i chose to write JavaScript

```
14 EmployeeInfo(EmployeeName, EmployeeSalary)
15     const EmployeeSkills = (skills) =>
16     {
17         console.log(EmployeeName + " is an expert in " + skills)
18     }
19     EmployeeSkills(["JavaScript"])
```

Exercise 3

Creating local modules in NodeJS. create 2 separate files called Studentinfo and person. Use these new files with the code and use the functions created.

```

14 EmployeeInfo(EmployeeName, EmployeeSalary)
15     const EmployeeSkills = (skills) =>
16     {
17         console.log(EmployeeName + " is an expert in " + skills)
18     }
19     EmployeeSkills(["JavaScript"])
20 //importing modules
21 const student = require("./studentinfo")
22 const person = require("./person")
23
24 //using the student module
25 console.log("Student name: " + student.getName())
26 console.log(student.Location())
27 console.log(student.dob)
28
29 // because dob is a variable so we do nt use ()
30 console.log(student.Studentgrade())
31 console.log("grade is "+ student.Studentgrade(55))
32
33 // creating new Person
34 person1 = new person("Bob",24,"randomemail@uel.ac.juk")
35 console.log("using person Module",person1.getPersonInfo())
36 console.log("Programe terminated")

```

JS Studentinfo.js > getStudentName

```

1  const dateofBirth= "04/04/2004"
2
3  const getStudentName = () =>
4  {
5      return ["Reuben"]
6  }
7  const getCampusName = () =>
8  {
9      return ("UEL Campus ")
10 }
11
12 //exporting functions & variable outside the module
13 exports.getName=getStudentName
14 exports.Location=getCampusName
15 exports.dob=dateofBirth
16 // How to export function with parameters
17 exports.Studentgrade=(marks)=>
18 {
19     if (marks>50 && marks <70) return ("B grade")
20     else
21         return ("A grade")
22 }

```

JS person.js > student > getPersonInfo

```

1  class student {
2      constructor(name, age, email)
3      {
4          this.name = name;
5          this.age = age;
6          this.email = email;
7      }
8
9      getPersonInfo()
10     {
11         return
12         Name: this.name
13         Age: this.age
14         Email: this.email
15     }
16 }
17 module.exports = student;

```

Exercise 4

Using core modules in NodeJS. Display the laptop information on the terminal using os module.

There is too much information in the terminal to fit in a few screenshots

Reflection

This week I learned what Core and Local modules are and how to use them. I learned how to create a function and how to use arrow functions to simply and make my code more professional/productive. I learned how to import modules by using the keyword require. I also learnt that one of the core modules is called OS which you can use to get all kinds of information about the system such as; the OS the system is running on, uptime and free memory of the laptop.