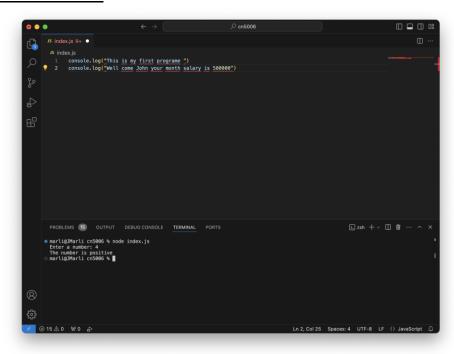
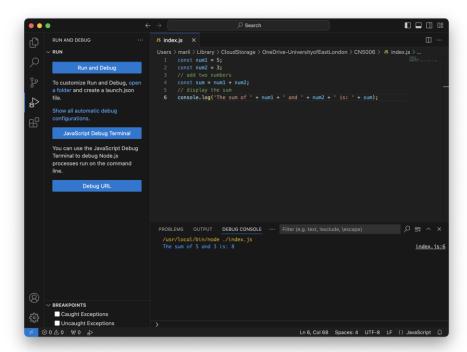
CN5006 PORTFOLIO:

Week 1 code:





Self-evaluation:

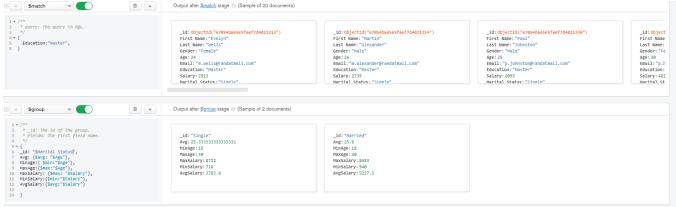
I have improved my java script language skills and will work more to improve them. This was a great refresher after the summer holiday.

Exercise:

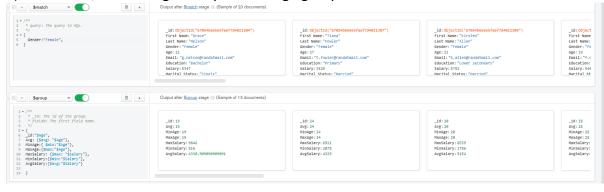
This program was created to function as a calculator that is capable of four kinds of operations.

Week 2 lab tasks:

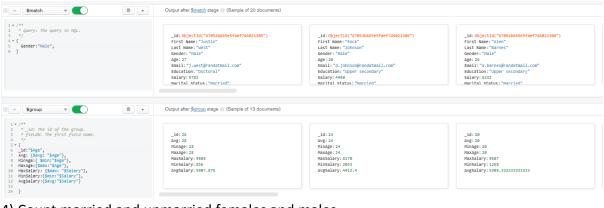
1) Repeat the same process to search Education for Master and .Find the avg,min,max age and avg min max Salary of the people group by Marital status.



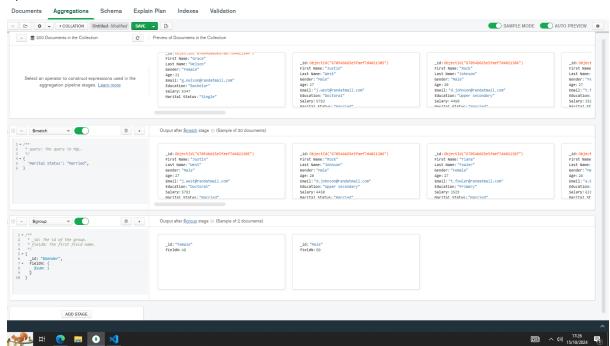
2) 2. find min, max average salary of each age group of female

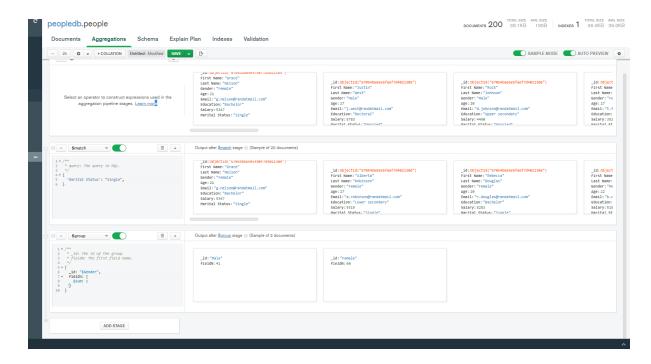


3) find min, max average salary of each age group of male



4) Count married and unmarried females and males.



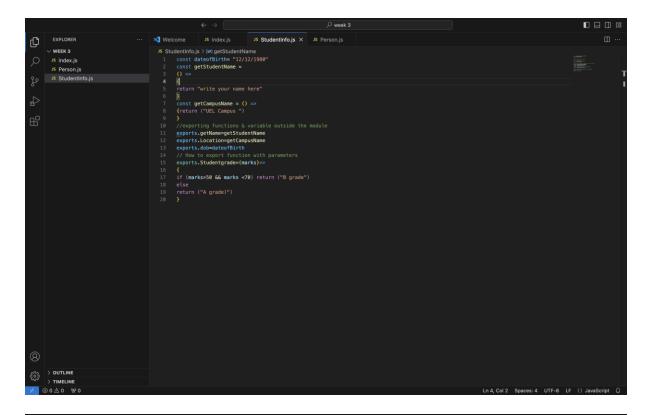


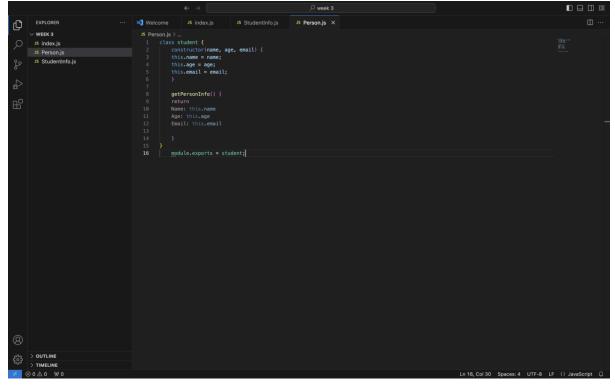
Report:

The work that been done with this code has been used to separate the data that has been given from a spread sheet then sorted into different categories depending on the need.

WEEK 3:

Submit the code for the completed Exercises i.e.: i) Index.js ii) Person.js iii) Employeeinfo.js iv) Exercise 4.js

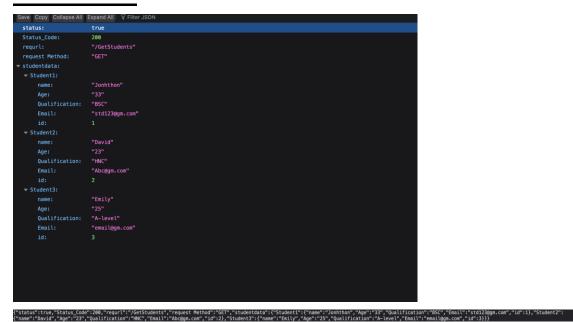




Report:

The coding that I've done during this lesson displays the information of the device that is being used. It also displays the information of the student information that has been given. I learned how to link different methods together.

WEEK 4:



Localhost:5000/GetStudents

name: "Jonhthon"

Age: "33"
Qualification: "BSC"
Email: "std123@gm.com"
id: 1

Localhost:5000/ GetStudentid/1

name: "David"
Age: "23"
Qualification: "HNC"

Email: "Abc@gm.com"

id: 2

Localhost:5000/ GetStudentid/2

name: "Emily"
Age: "25"

Qualification: "A-level"

Email: "email@gm.com"

id: 3

Localhost:5000/ GetStudentid/3

status:	true	
Status_Code:	200	
requrl:	"/GetStudentid/4"	
request Method:	"GET"	
▼ studentdata:		
<pre>▼ Student1:</pre>		
name:	"Jonhthon"	
Age:	"33"	
Qualification:	"BSC"	
Email:	"std123@gm.com"	
id:	1	
▼ Student2:		
name:	"David"	
Age:	"23"	
Qualification:	"HNC"	
Email:	"Abc@gm.com"	
id:	2	
▼ Student3:		
name:	"Emily"	
Age:	"25"	
Qualification:	"A-level"	
Email:	"email@gm.com"	
id:	3	

Localhost:5000/

GetStudentid/4

Localhost:5000/ studentinfo

Student Details		
First Name:	jahmarli	
Last Name :	hibbert	
Email:	u2283556@uel.ac.uk	
Age:	21	
Please select your gender:		
MaleFemaleOther		
Qualifications		
 □ GCSE □ A- level □ Higher National Certificate/Level 4 ✓ Foundation Degree/HND/DipHE/Level 5 □ Bachelor Degree/Graduate diploma or Certificate/Level 6 □ Master Degree/PGCE/Level7 □ PhD/Level8 Submit Query 		

status:	true
message:	"form Details"
▼ data:	
name:	"jahmarli hibbert "
age:	"21 Gender: male"
Qualification:	" QualificationHND"

{"status":true,"message":"form Details","data":{"name":"jahmarli hibbert ","age":" Gender: male","Qualification":" QualificationHND"}}

Report:

This week I learnt how to implement data that has been provided and display it in a format that separates the data into different categories. The data has also been displayed in different formats.

WEEK 5:

For todays Lab submission, After you complete the lab write down a word document answering following questions for your portfolio:

- What is React
 React is a JavaScript library for building a user interface.
- What do you understand by React component and what command do you use to create a React component with or without property
 A React Component is a piece of UI logic that uses HTML, CSS, and JavaScript code to represent a part of the user interface.
 without

```
function MyComponent() {
   return <h1>Hello, World!</h1>;
}

with

function MyComponent(props) {
   return <h1>{props.heading}</h1>;
}
```

What command will you use to render the newly created component named as myREACT

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import MyREACT from './MyREACT';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(<MyREACT />);
```

4. Suppose the MyReact Component has a property heading, write down the code that could be used to render the MYReact Component, and pass the message to the property heading as "this is my first element"

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import MyReact from './MyReact';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(<MyReact heading="This is my first element" />);
```

5. Observe this code and answer the questions below <AppColor heading="This is first element" lbl ="Name:" color="green"/> What is the name of the React Component AppColor How many properties this component uses heading, lbl, and color.

6. Look at the following Code:

```
function GreetingElementwithProp(props) {
return (
    <div className="App">
    <h1>Wellcome , {props.studentname}</h1>;
    </div>
);
}
export default ??????
```

what will you write to make this export this function correctly? Hint you need to replace ?????? with the correct word.

Add a function that takes two properties as numbers ,add these numbers on the click event of the button and display the sum.

Hint you will be using in jsx

dutton value={props.color} onClick={Namdofyourfunction}

```
import React, { useState } from 'react';
function GreetingElementwithProp(props) {
  const [sum, setSum] = useState(null); // State to store the sum
  // Function to add num1 and num2
  const handleAddition = () => {
   const result = props.num1 + props.num2;
   setSum(result); // Update the sum state
 };
  return (
   <div className="App">
     <h1>Welcome, {props.studentname}</h1>
     <button value={props.color} onClick={handleAddition}>
       Add Numbers
     </button>
     {sum !== null && The sum is: {sum}}
   </div>
 );
}
export default GreetingElementwithProp;
```