Mobile Device Fundamentals

Assignment 4

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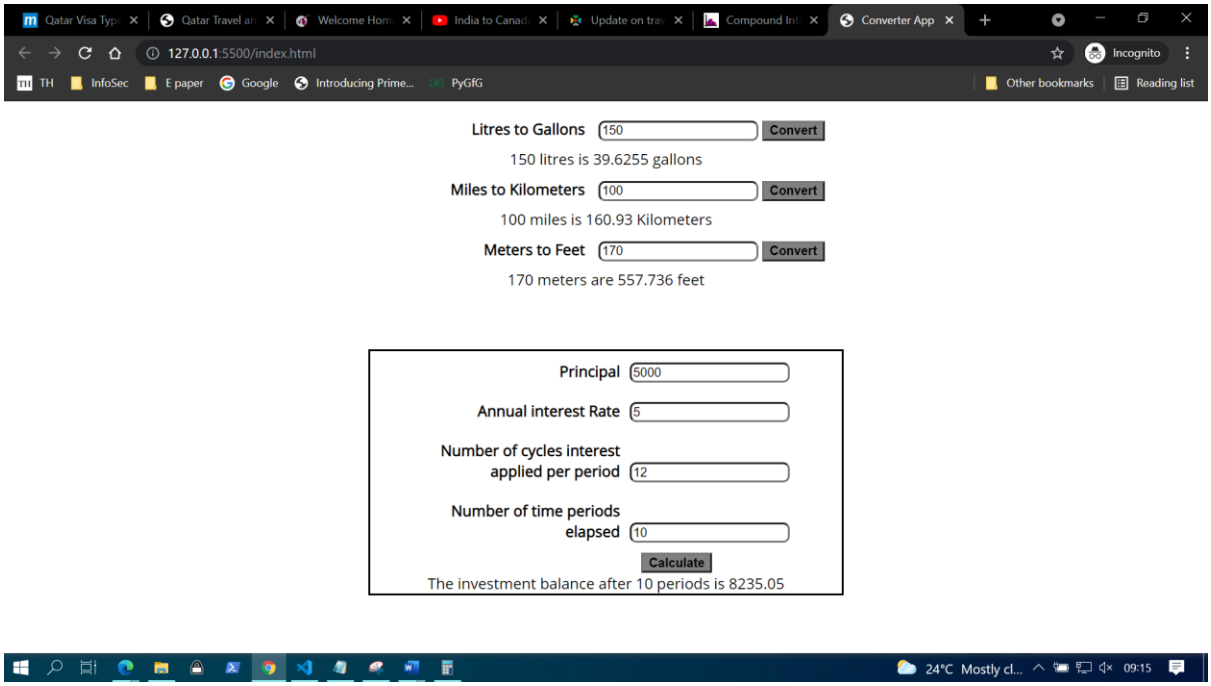
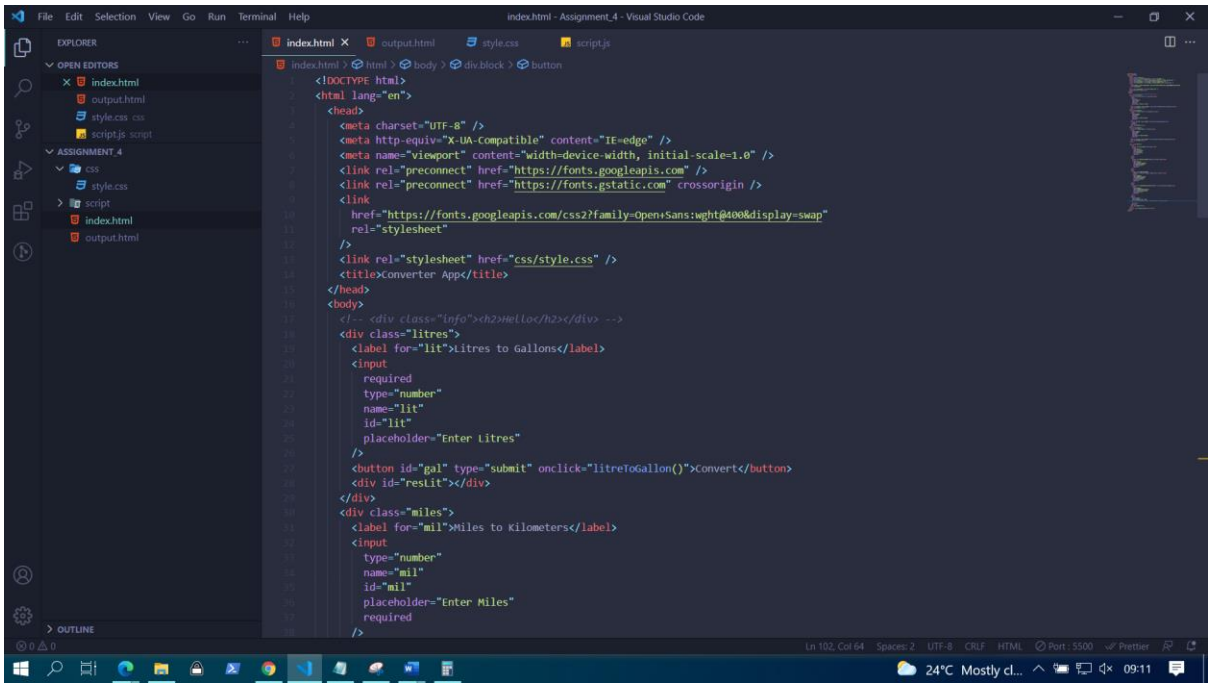

Converter App
127.0.0.1:5500/index.html
Litres to Gallons
150
Convert
150 litres is 39.6255 gallons
Miles to Kilometers
100
Convert
100 miles is 160.93 Kilometers
Meters to Feet
170
Convert
170 meters are 557.736 feet
Principal
5000
Annual interest Rate
5
Number of cycles interest applied per period
12
Number of time periods elapsed
10
Calculate
The investment balance after 10 periods is 8235.05

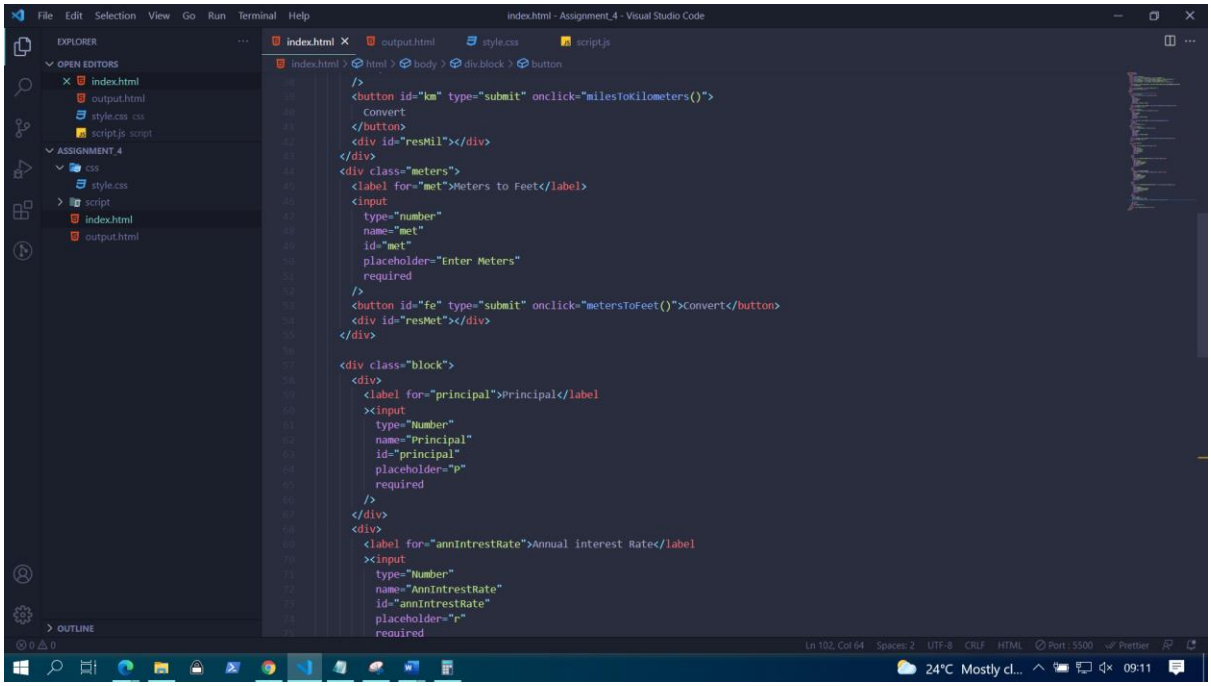
HTML 1


index.html - Assignment_4 - Visual Studio Code
EXPLORER
OPEN EDITORS
index.html
output.html
style.css
script.js
ASSIGNMENT_4
css
style.css
script
index.html
output.html
OUTLINE
<!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" />
<link rel="preconnect" href="https://fonts.googleapis.com" />
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
<link
href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400&display=swap"
rel="stylesheet"
/>
<link rel="stylesheet" href="css/style.css" />
<title>Converter App</title>
</head>
<body>
<!-- <h2>Hello</h2> -->

<label for="lit">Litres to Gallons</label>
<input
required
type="number"
name="lit"
id="lit"
placeholder="Enter Litres"
/>
<button id="gal" type="submit" onclick="litreToGallon()">Convert</button>

<label for="mil">Miles to Kilometers</label>
<input
type="number"
name="mil"
id="mil"
placeholder="Enter Miles"
required
/>

HTML 2

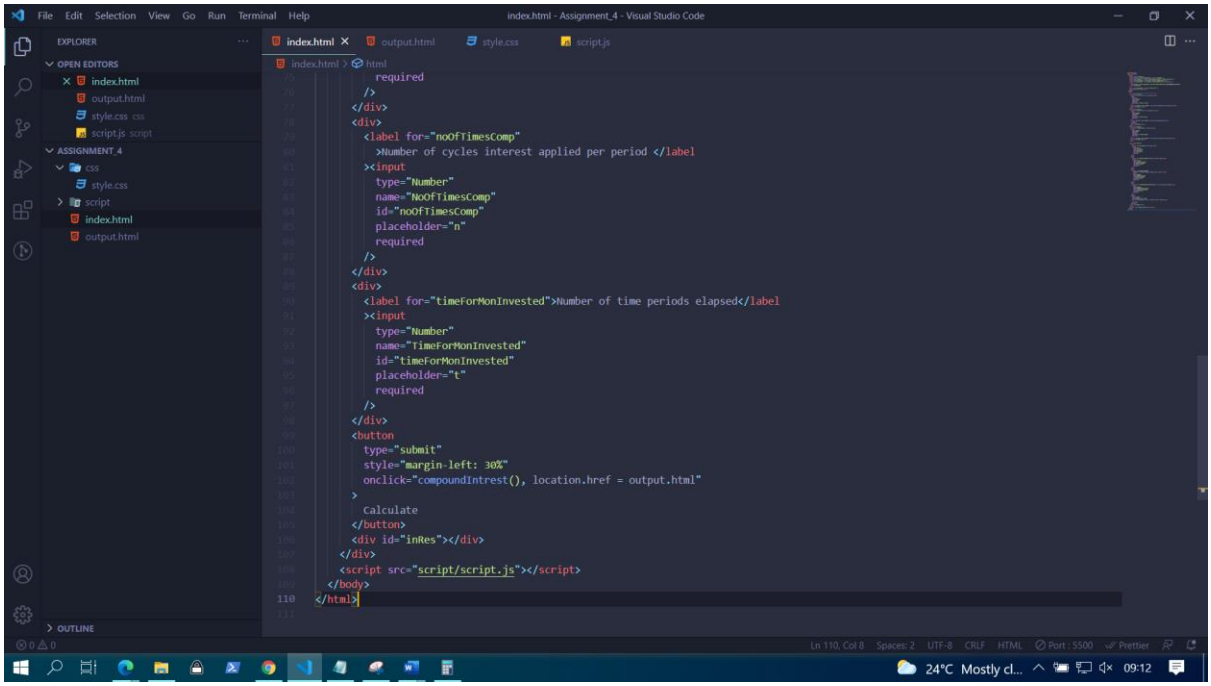

index.html - Assignment_4 - Visual Studio Code
/>
<button id="km" type="submit" onclick="milesToKilometers()">
Convert
</button>

<label for="met">Meters to Feet</label>
<input
type="number"
name="met"
id="met"
placeholder="Enter Meters"
required
/>
<button id="fe" type="submit" onclick="metersToFeet()">Convert</button>

<label for="principal">Principal</label
><input
type="Number"
name="Principal"
id="principal"
placeholder="P"
required
/>

<label for="annIntrestRate">Annual interest Rate</label
><input
type="Number"
name="AnnIntrestRate"
id="annIntrestRate"
placeholder="r"
required

HTML 3


index.html - Assignment_4 - Visual Studio Code
required
/>

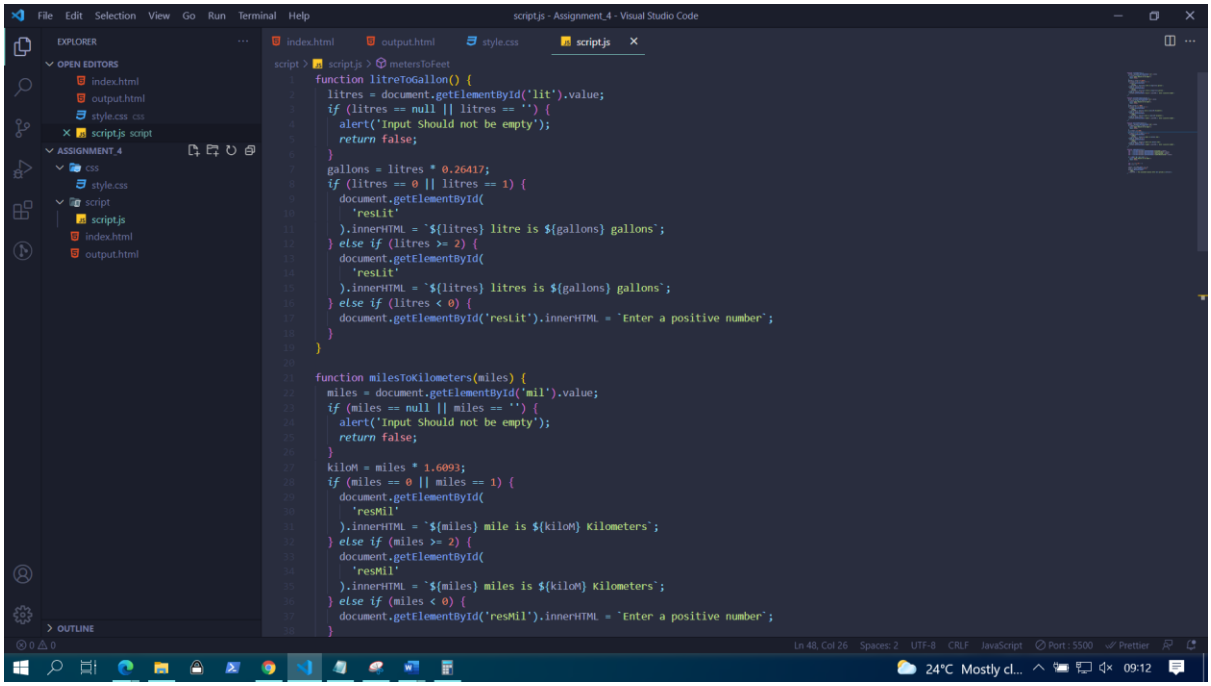
<label for="noOfTimesComp"
>Number of cycles interest applied per period </label
><input
type="Number"
name="NoOfTimesComp"
id="noOfTimesComp"
placeholder="n"
required
/>

<label for="timeForMonInvested">Number of time periods elapsed</label
><input
type="Number"
name="timeForMonInvested"
id="timeForMonInvested"
placeholder="t"
required
/>

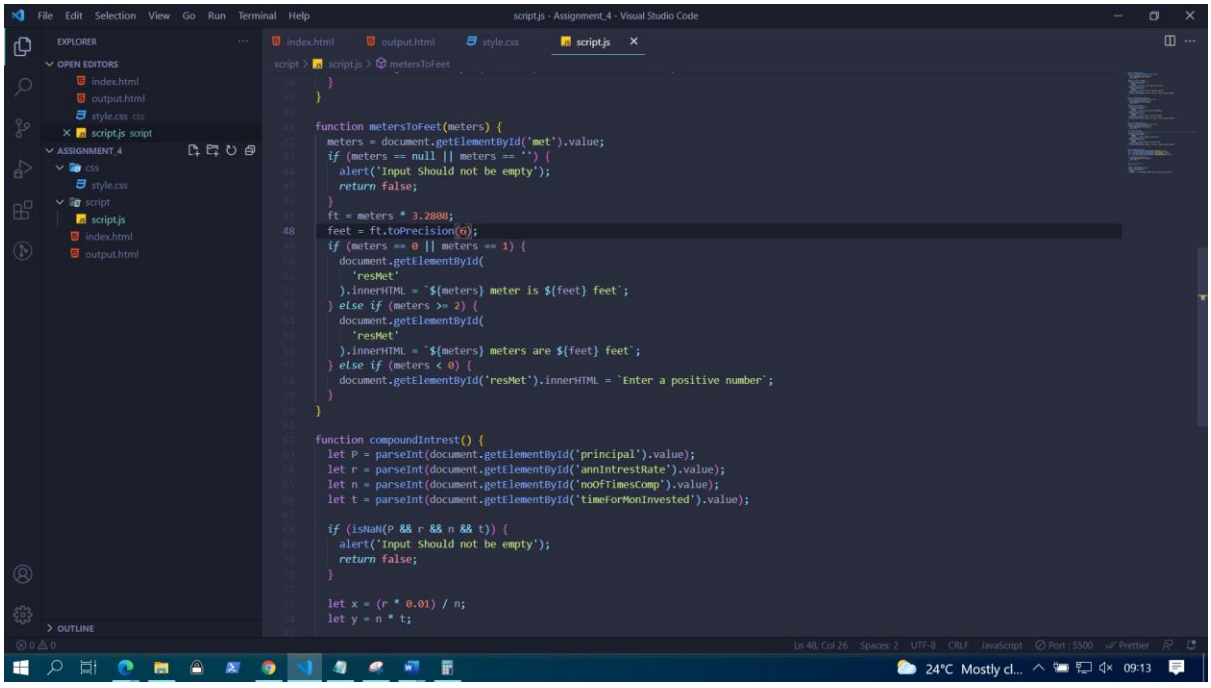
<button
type="submit"
style="margin-left: 30%"
onclick="compoundIntrest(), location.href = output.html"
>
Calculate
</button>

<script src="script/script.js"></script>
</body>
</html>

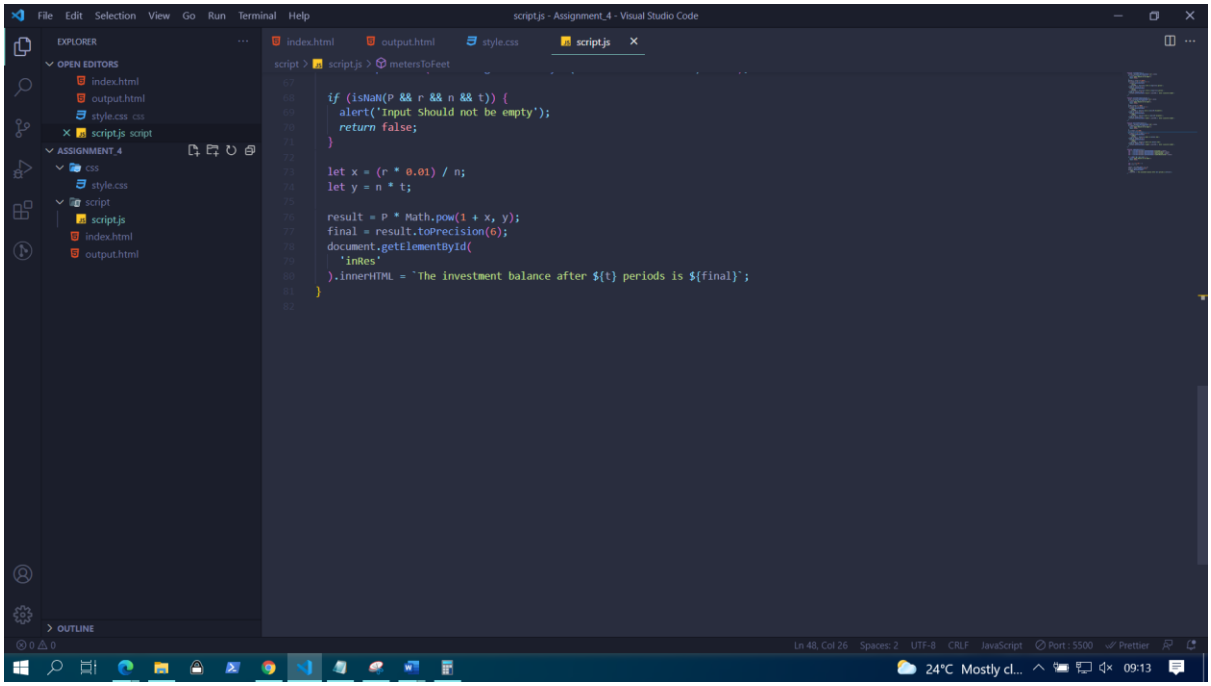
Script 1

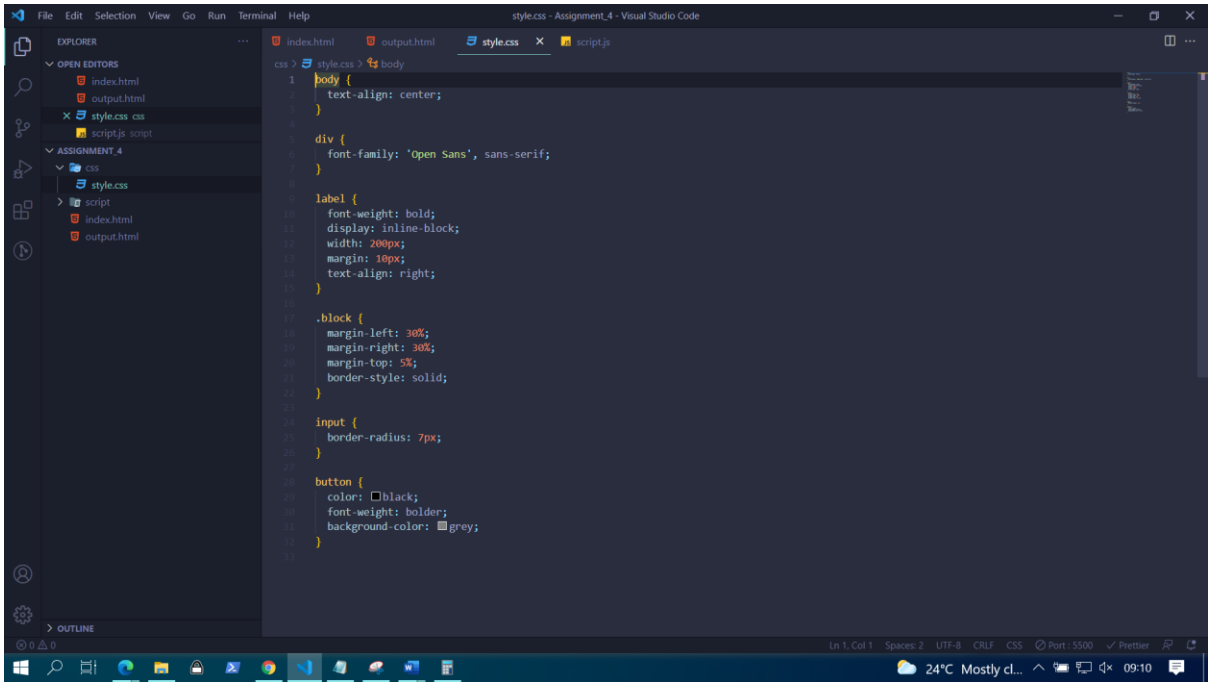


Script 2



Script 3


File Edit Selection View Go Run Terminal Help
script.js - Assignment_4 - Visual Studio Code
EXPLORER
OPEN EDITORS
index.html
output.html
style.css css
script.js script
ASSIGNMENT_4
css
style.css
script
script.js
index.html
output.html
OUTLINE
index.html output.html style.css script.js
script > script.js > metersToFeet
if (isNaN(P && r && n && t)) {
alert('Input Should not be empty');
return false;
}
let x = (r * 0.01) / n;
let y = n * t;
result = P * Math.pow(1 + x, y);
final = result.toPrecision(6);
document.getElementById(
'inRes'
).innerHTML = `The investment balance after ${t} periods is ${final}`;
}
Ln 48, Col 26 Spaces: 2 UTF-8 CRLF JavaScript Port : 5500 Prettier
24°C Mostly cl...
09:13


File Edit Selection View Go Run Terminal Help
style.css - Assignment_4 - Visual Studio Code
EXPLORER
OPEN EDITORS
index.html
output.html
style.css css
script.js script
ASSIGNMENT_4
css
style.css
script
index.html
output.html
OUTLINE
index.html output.html style.css script.js
css > style.css > body
body {
text-align: center;
}
div {
font-family: 'Open Sans', sans-serif;
}
label {
font-weight: bold;
display: inline-block;
width: 200px;
margin: 10px;
text-align: right;
}
.block {
margin-left: 30%;
margin-right: 30%;
margin-top: 5%;
border-style: solid;
}
input {
border-radius: 7px;
}
button {
color: black;
font-weight: bolder;
background-color: grey;
}
Ln 1, Col 1 Spaces: 2 UTF-8 CRLF CSS Port : 5500 Prettier
24°C Mostly cl...
09:10