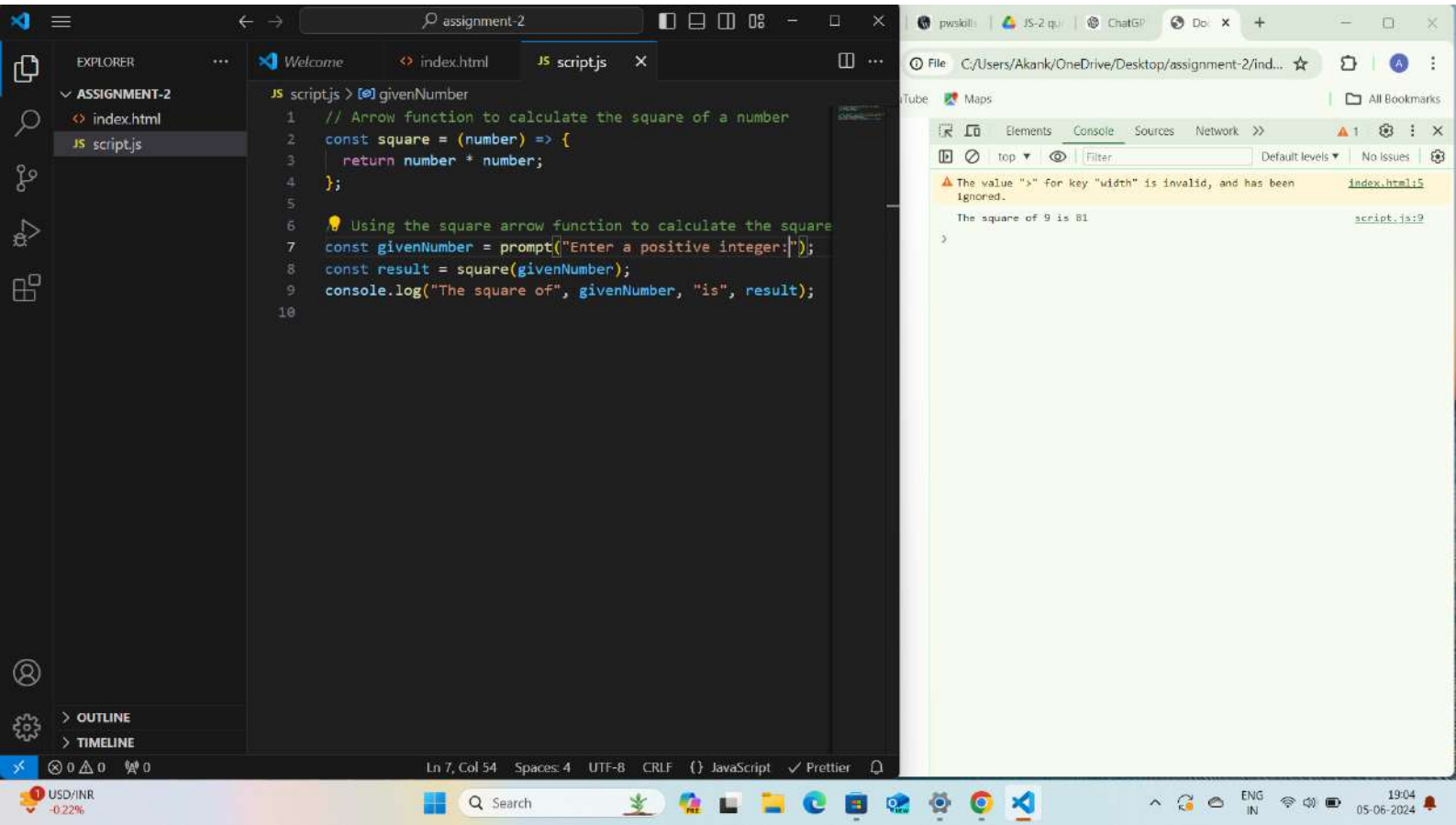
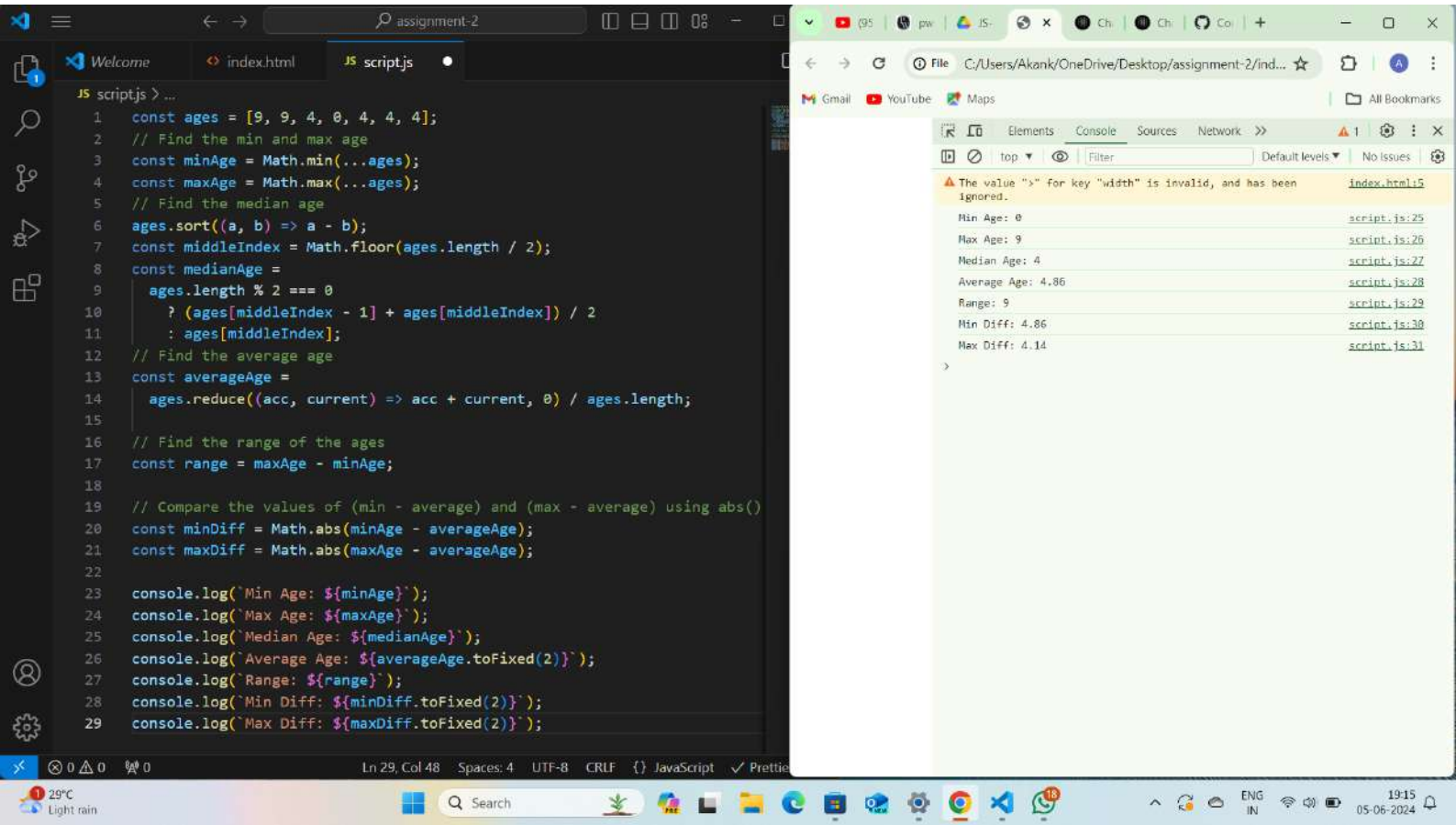
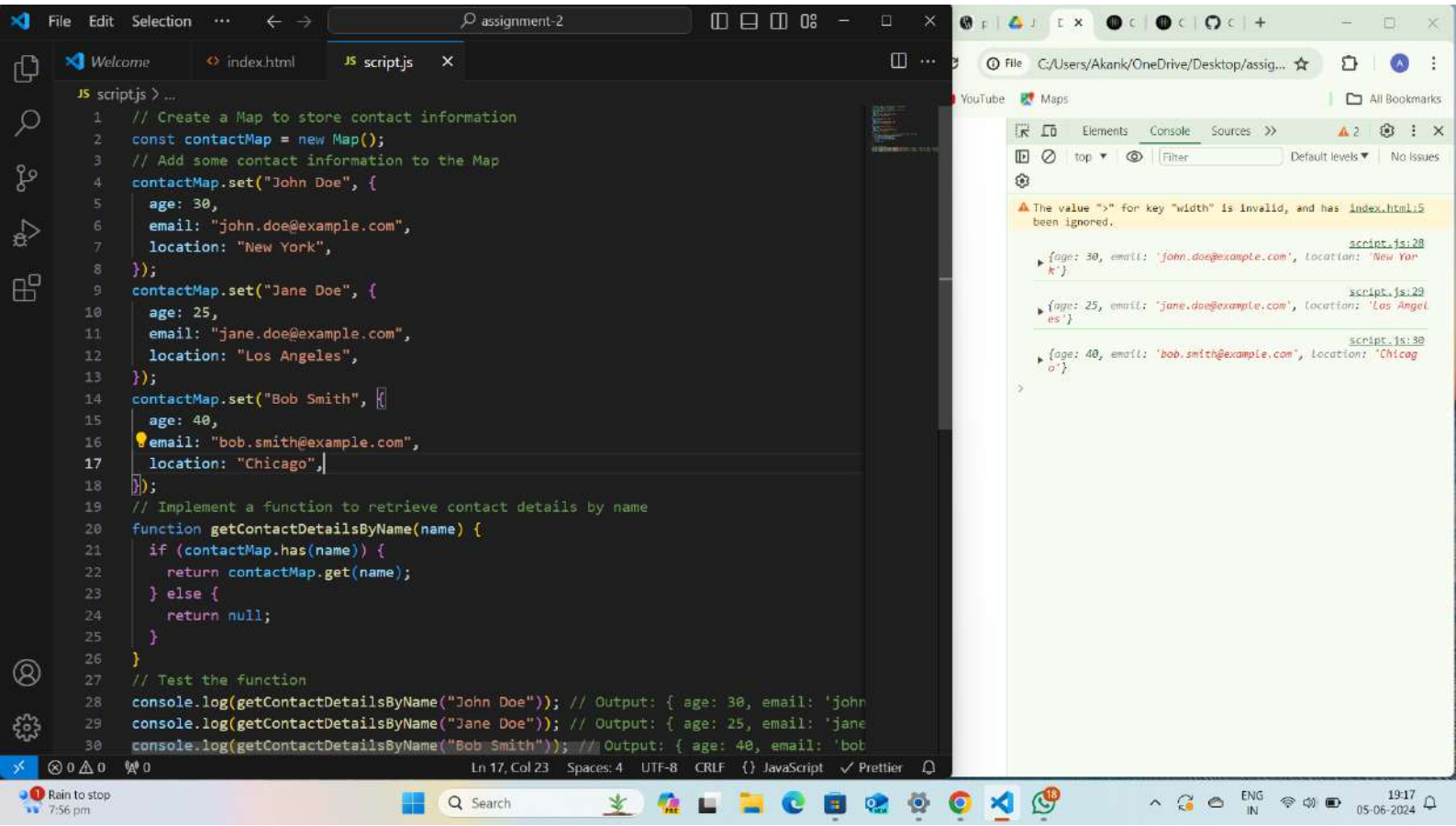
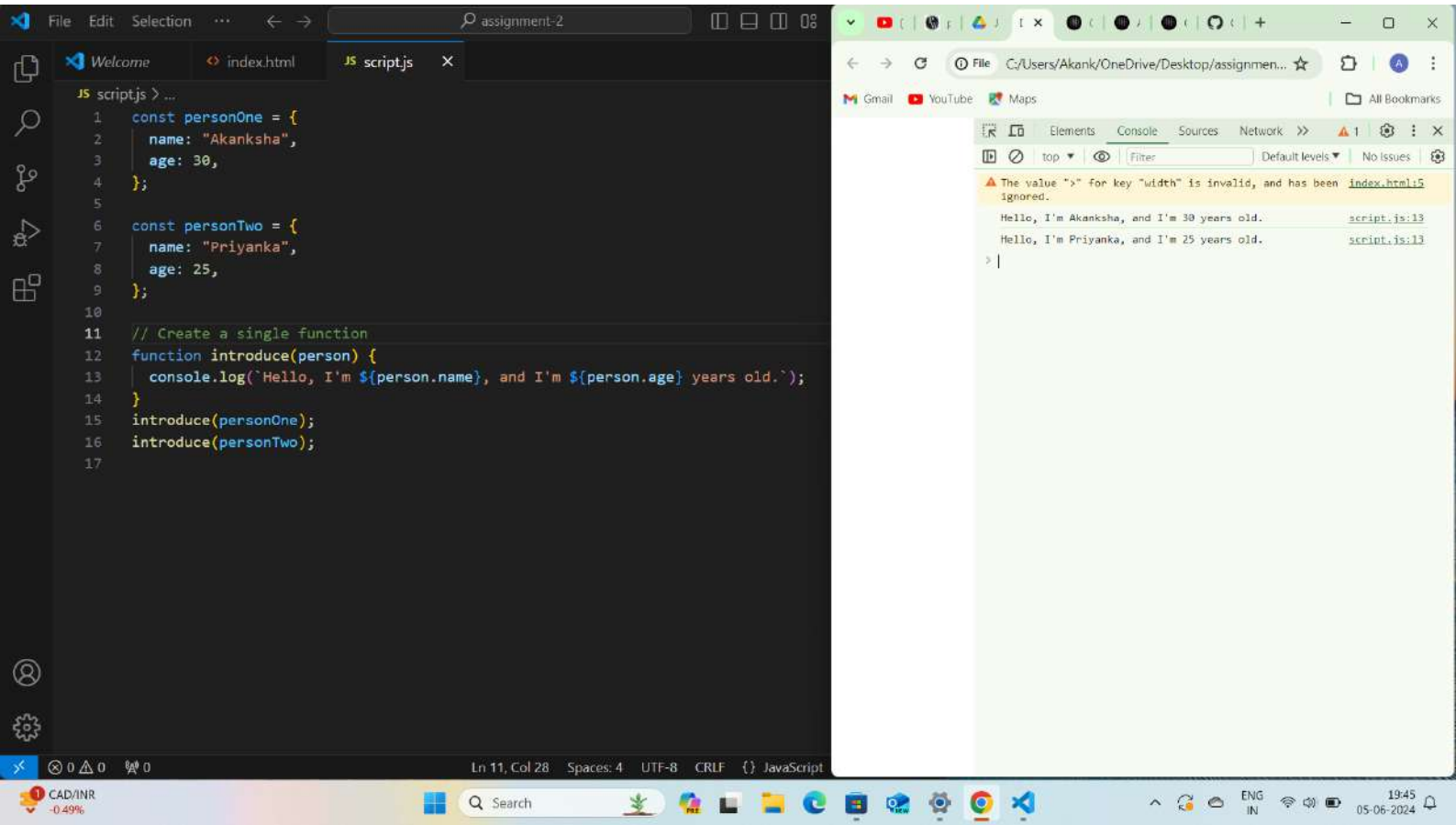
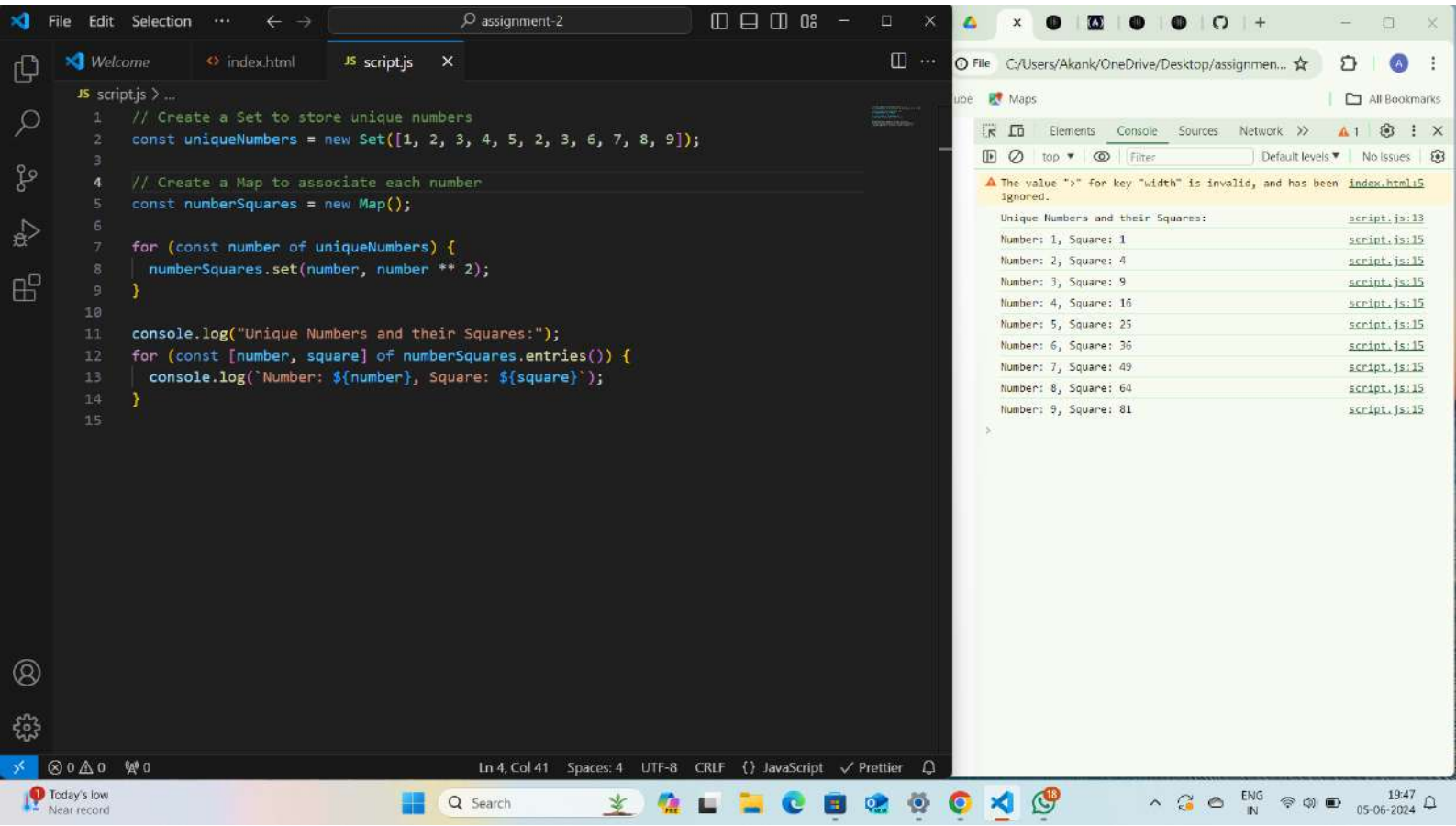
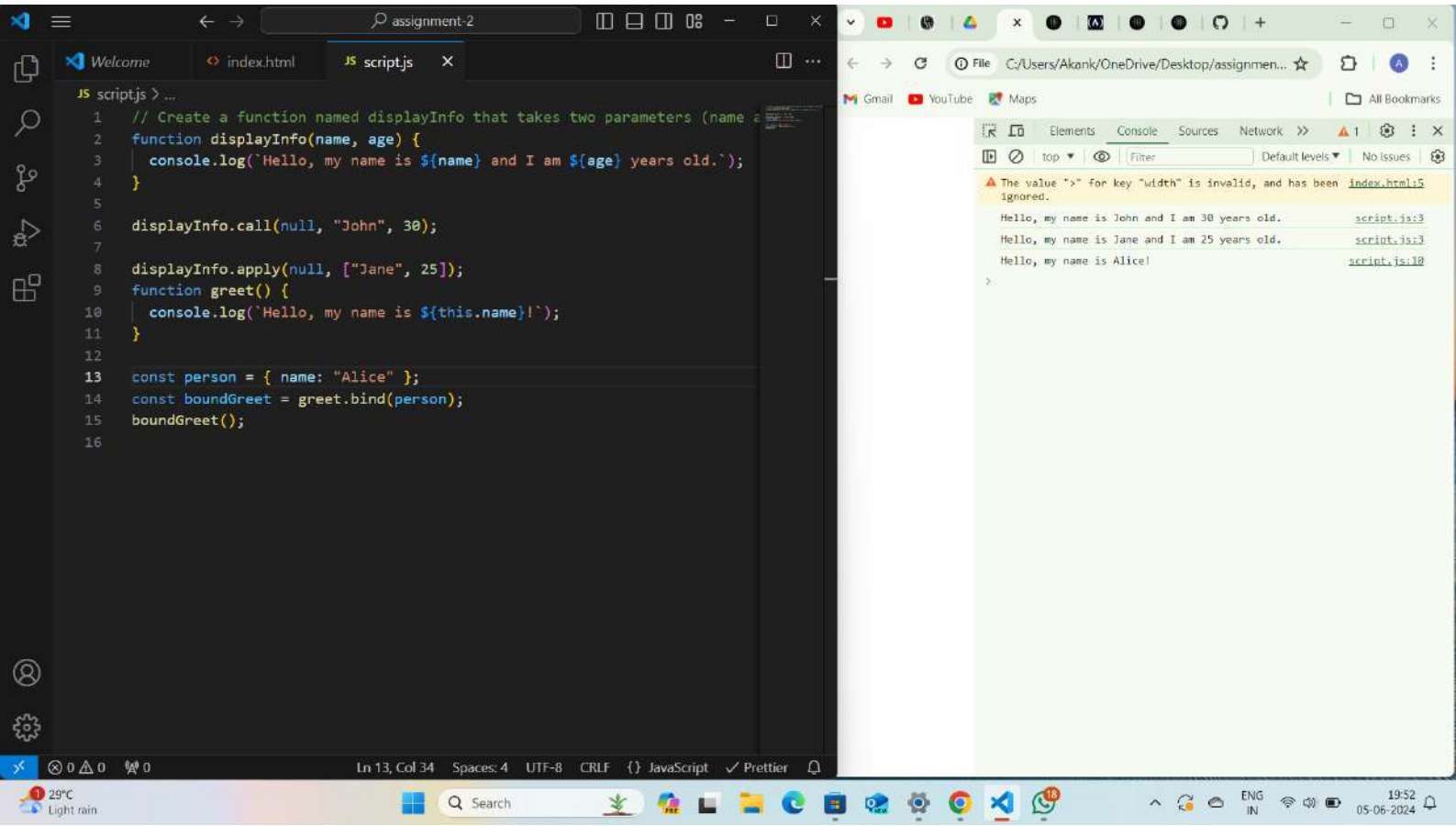

assignment-2
EXPLORER
ASSIGNMENT-2
index.html
script.js
Welcome
index.html
script.js
script.js > givenNumber
1 // Arrow function to calculate the square of a number
2 const square = (number) => {
3 return number * number;
4 };
5
6 Using the square arrow function to calculate the square
7 const givenNumber = prompt("Enter a positive integer:");
8 const result = square(givenNumber);
9 console.log("The square of", givenNumber, "is", result);
10
OUTLINE
TIMELINE
Ln 7, Col 54 Spaces: 4 UTF-8 CRLF {} JavaScript Prettier
File C:/Users/Akank/OneDrive/Desktop/assignment-2/ind...
Maps
All Bookmarks
Elements Console Sources Network
top
Filter
Default levels
No Issues
The value ">" for key "width" is invalid, and has been ignored.
index.html:5
The square of 9 is 81
script.js:9
USD/INR -0.22%
Search
ENG IN
19:04 05-06-2024

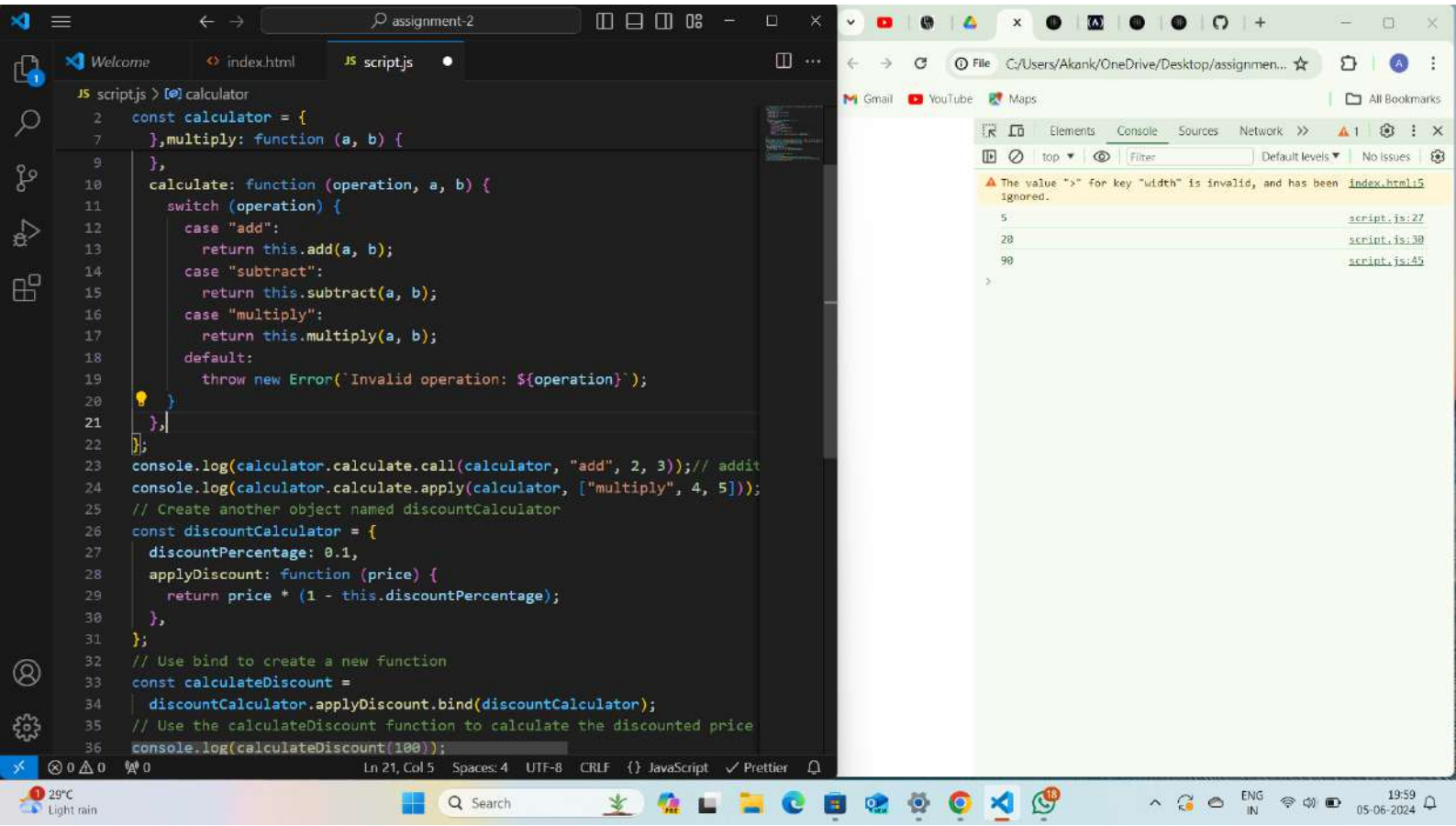

assignment-2
Welcome
index.html
script.js
script.js > ...
1 const ages = [9, 9, 4, 0, 4, 4, 4];
2 // Find the min and max age
3 const minAge = Math.min(...ages);
4 const maxAge = Math.max(...ages);
5 // Find the median age
6 ages.sort((a, b) => a - b);
7 const middleIndex = Math.floor(ages.length / 2);
8 const medianAge =
9 ages.length % 2 === 0
10 ? (ages[middleIndex - 1] + ages[middleIndex]) / 2
11 : ages[middleIndex];
12 // Find the average age
13 const averageAge =
14 ages.reduce((acc, current) => acc + current, 0) / ages.length;
15
16 // Find the range of the ages
17 const range = maxAge - minAge;
18
19 // Compare the values of (min - average) and (max - average) using abs()
20 const minDiff = Math.abs(minAge - averageAge);
21 const maxDiff = Math.abs(maxAge - averageAge);
22
23 console.log(`Min Age: ${minAge}`);
24 console.log(`Max Age: ${maxAge}`);
25 console.log(`Median Age: ${medianAge}`);
26 console.log(`Average Age: ${averageAge.toFixed(2)}`);
27 console.log(`Range: ${range}`);
28 console.log(`Min Diff: ${minDiff.toFixed(2)}`);
29 console.log(`Max Diff: ${maxDiff.toFixed(2)}`);
Ln 29, Col 48
Spaces: 4
UTF-8
CRLF
JavaScript
File C:/Users/Akank/OneDrive/Desktop/assignment-2/ind...
Gmail
YouTube
Maps
All Bookmarks
Elements
Console
Sources
Network
top
Filter
Default levels
No Issues
The value ">" for key "width" is invalid, and has been ignored.
index.html:5
Min Age: 0
script.js:25
Max Age: 9
script.js:26
Median Age: 4
script.js:27
Average Age: 4.86
script.js:28
Range: 9
script.js:29
Min Diff: 4.86
script.js:30
Max Diff: 4.14
script.js:31
29°C
Light rain
Search
ENG
IN
19:15
05-06-2024


File Edit Selection
assignment-2
Welcome
index.html
script.js
script.js > ...
// Create a Map to store contact information
const contactMap = new Map();
// Add some contact information to the Map
contactMap.set("John Doe", {
age: 30,
email: "john.doe@example.com",
location: "New York",
});
contactMap.set("Jane Doe", {
age: 25,
email: "jane.doe@example.com",
location: "Los Angeles",
});
contactMap.set("Bob Smith", {
age: 40,
email: "bob.smith@example.com",
location: "Chicago",
});
// Implement a function to retrieve contact details by name
function getContactDetailsByName(name) {
if (contactMap.has(name)) {
return contactMap.get(name);
} else {
return null;
}
}
// Test the function
console.log(getContactDetailsByName("John Doe")); // Output: { age: 30, email: 'john
console.log(getContactDetailsByName("Jane Doe")); // Output: { age: 25, email: 'jane
console.log(getContactDetailsByName("Bob Smith")); // Output: { age: 40, email: 'bob
Ln 17, Col 23 Spaces: 4 UTF-8 CRLF {} JavaScript Prettier
File C:/Users/Akank/OneDrive/Desktop/assig...
YouTube Maps
All Bookmarks
Elements Console Sources
top
Filter
Default levels
No Issues
The value ">" for key "width" is invalid, and has been ignored.
index.html:5
script.js:28
{age: 30, email: 'john.doe@example.com', location: 'New York'}
script.js:29
{age: 25, email: 'jane.doe@example.com', location: 'Los Angeles'}
script.js:30
{age: 40, email: 'bob.smith@example.com', location: 'Chicago'}
Rain to stop
7:56 pm
Search
ENG
IN
19:17
05-06-2024


File Edit Selection
assignment-2
Welcome
index.html
script.js
script.js > ...
1 const personOne = {
2 name: "Akanksha",
3 age: 30,
4 };
5
6 const personTwo = {
7 name: "Priyanka",
8 age: 25,
9 };
10
11 // Create a single function
12 function introduce(person) {
13 console.log(`Hello, I'm ${person.name}, and I'm ${person.age} years old.`);
14 }
15 introduce(personOne);
16 introduce(personTwo);
17
Ln 11, Col 28 Spaces: 4 UTF-8 CRLF {} JavaScript
File C:/Users/Akank/OneDrive/Desktop/assignmen...
Gmail YouTube Maps
All Bookmarks
Elements Console Sources Network
top Filter Default levels No Issues
The value ">" for key "width" is invalid, and has been ignored. index.html:5
Hello, I'm Akanksha, and I'm 30 years old. script.js:13
Hello, I'm Priyanka, and I'm 25 years old. script.js:13
CAD/INR -0.49%
Search
ENG IN
19:45 05-06-2024


File Edit Selection
assignment-2
Welcome
index.html
script.js
script.js > ...
1 // Create a Set to store unique numbers
2 const uniqueNumbers = new Set([1, 2, 3, 4, 5, 2, 3, 6, 7, 8, 9]);
3
4 // Create a Map to associate each number
5 const numberSquares = new Map();
6
7 for (const number of uniqueNumbers) {
8 numberSquares.set(number, number ** 2);
9 }
10
11 console.log("Unique Numbers and their Squares:");
12 for (const [number, square] of numberSquares.entries()) {
13 console.log(`Number: ${number}, Square: ${square}`);
14 }
15
Ln 4, Col 41 Spaces: 4 UTF-8 CRLF {} JavaScript Prettier
File C:/Users/Akank/OneDrive/Desktop/assignmen...
Maps
All Bookmarks
Elements Console Sources Network
top Filter Default levels No Issues
The value ">" for key "width" is invalid, and has been ignored. index.html:5
Unique Numbers and their Squares: script.js:13
Number: 1, Square: 1 script.js:15
Number: 2, Square: 4 script.js:15
Number: 3, Square: 9 script.js:15
Number: 4, Square: 16 script.js:15
Number: 5, Square: 25 script.js:15
Number: 6, Square: 36 script.js:15
Number: 7, Square: 49 script.js:15
Number: 8, Square: 64 script.js:15
Number: 9, Square: 81 script.js:15
Today's low
Near record
Search
ENG
IN
19:47
05-06-2024


assignment-2
Welcome
index.html
script.js
script.js > ...
// Create a function named displayInfo that takes two parameters (name a
function displayInfo(name, age) {
console.log(`Hello, my name is ${name} and I am ${age} years old.`);
}
displayInfo.call(null, "John", 30);
displayInfo.apply(null, ["Jane", 25]);
function greet() {
console.log(`Hello, my name is ${this.name}!`);
}
const person = { name: "Alice" };
const boundGreet = greet.bind(person);
boundGreet();
Ln 13, Col 34
Spaces: 4
UTF-8
CRLF
JavaScript
Prettier
File C:/Users/Akank/OneDrive/Desktop/assignmen...
Gmail
YouTube
Maps
All Bookmarks
Elements
Console
Sources
Network
top
Filter
Default levels
No Issues
The value ">" for key "width" is invalid, and has been ignored.
index.html:5
Hello, my name is John and I am 30 years old.
script.js:3
Hello, my name is Jane and I am 25 years old.
script.js:3
Hello, my name is Alice!
script.js:10
29°C
Light rain
Search
ENG
IN
19:52
05-06-2024


assignment-2
Welcome
index.html
script.js
script.js > calculator
const calculator = {
},multiply: function (a, b) {
},
calculate: function (operation, a, b) {
switch (operation) {
case "add":
return this.add(a, b);
case "subtract":
return this.subtract(a, b);
case "multiply":
return this.multiply(a, b);
default:
throw new Error(`Invalid operation: ${operation}`);
}
},
};
console.log(calculator.calculate.call(calculator, "add", 2, 3));// addit
console.log(calculator.calculate.apply(calculator, ["multiply", 4, 5]));
// Create another object named discountCalculator
const discountCalculator = {
discountPercentage: 0.1,
applyDiscount: function (price) {
return price * (1 - this.discountPercentage);
},
};
// Use bind to create a new function
const calculateDiscount =
discountCalculator.applyDiscount.bind(discountCalculator);
// Use the calculateDiscount function to calculate the discounted price
console.log(calculateDiscount(100));
Ln 21, Col 5
Spaces: 4
UTF-8
CRLF
{} JavaScript
Prettier
File C:/Users/Akank/OneDrive/Desktop/assignmen...
Gmail
YouTube
Maps
All Bookmarks
Elements
Console
Sources
Network
top
Filter
Default levels
No Issues
The value ">" for key "width" is invalid, and has been ignored.
index.html:5
5
script.js:27
20
script.js:30
90
script.js:45
29°C
Light rain
Search
ENG
IN
19:59
05-06-2024