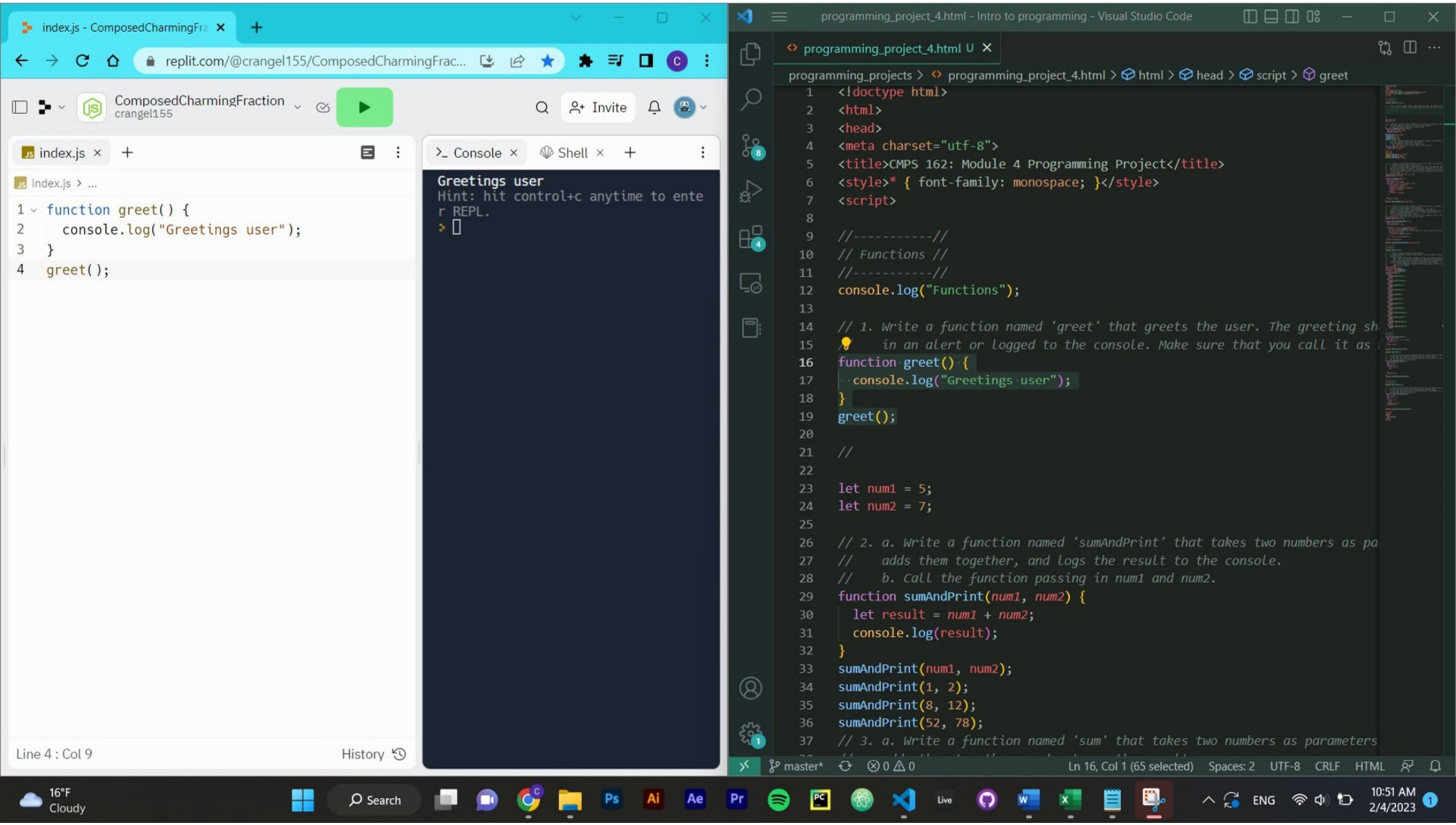
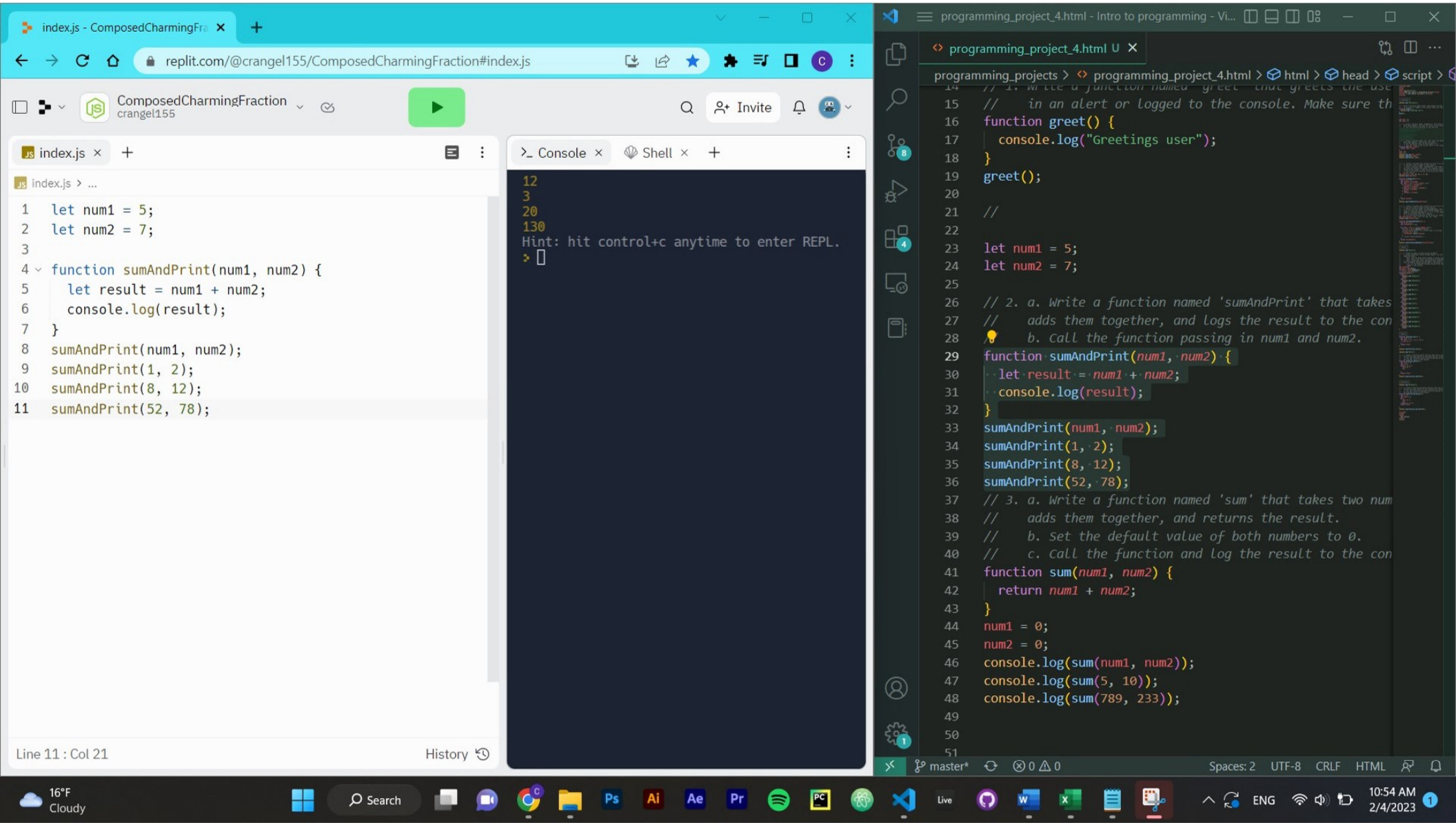
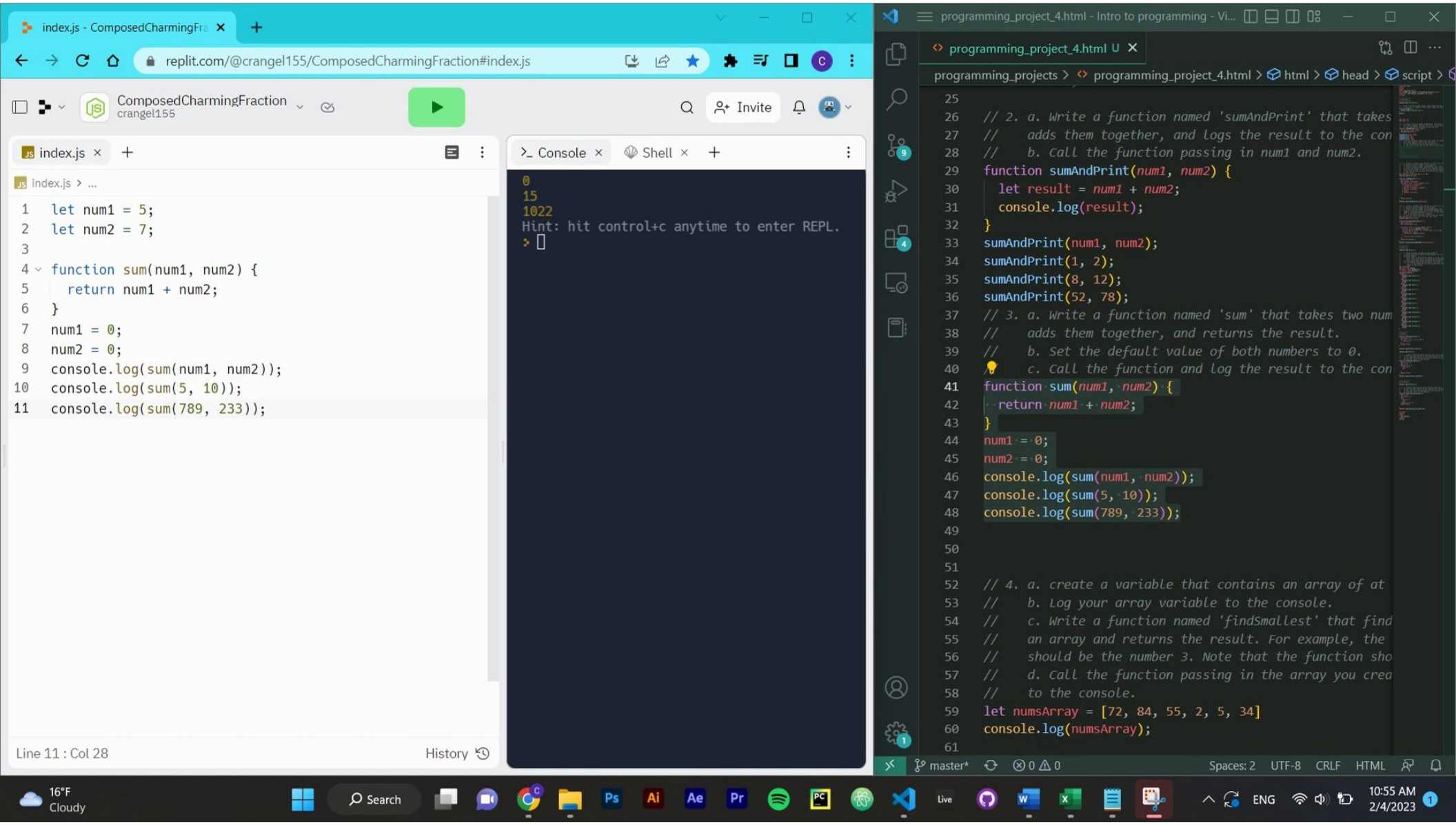
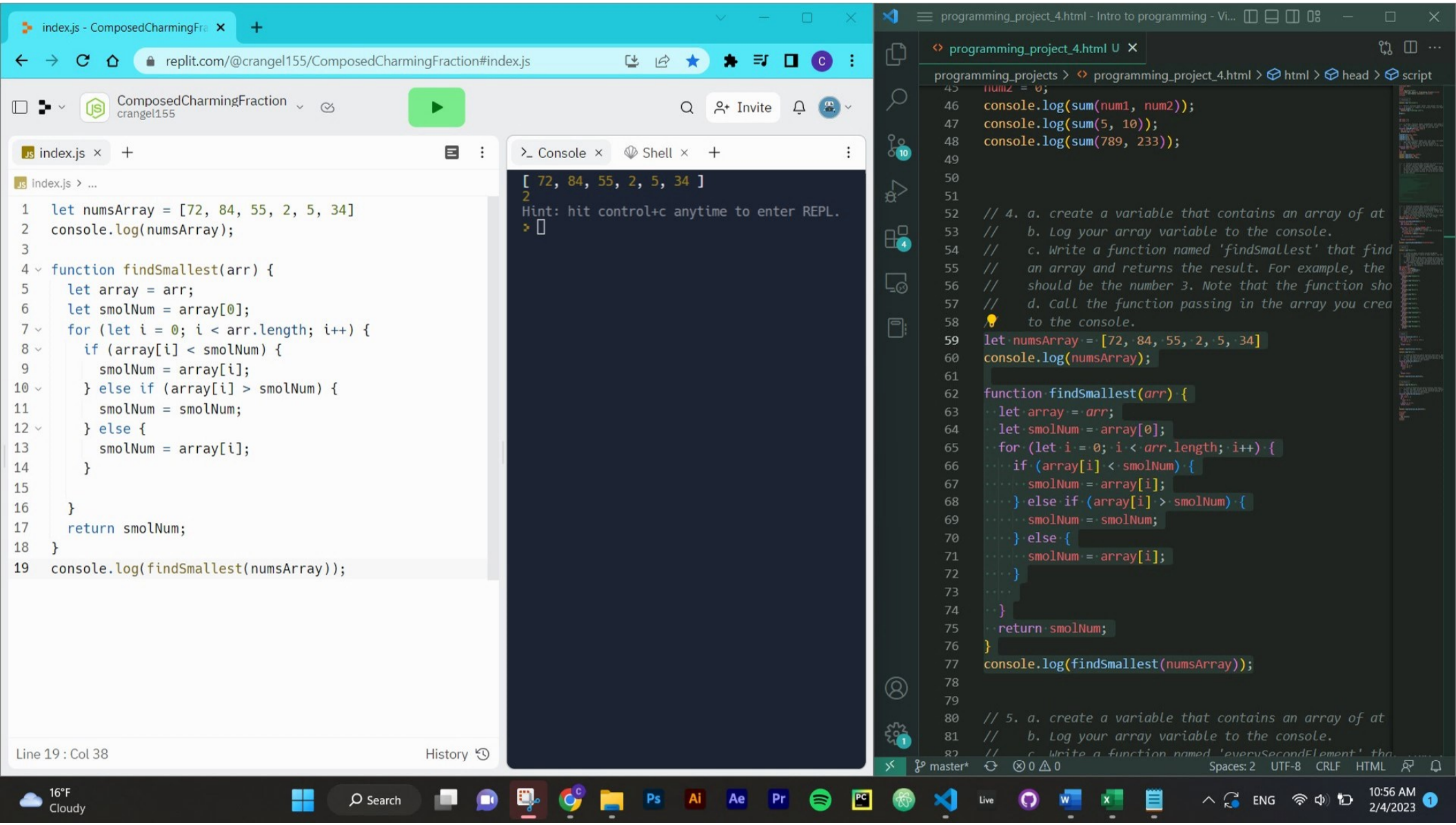

index.js - ComposedCharmingFra
replit.com/@crangel155/ComposedCharmingFrac...
ComposedCharmingFraction
crangel155
Invite
index.js
index.js > ...
function greet() {
console.log("Greetings user");
}
greet();
Line 4 : Col 9
History
Console
Shell
Greetings user
Hint: hit control+c anytime to enter REPL.
programming_project_4.html - Intro to programming - Visual Studio Code
programming_project_4.html U
programming_projects > programming_project_4.html > html > head > script > greet
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>CMPS 162: Module 4 Programming Project</title>
<style>* { font-family: monospace; }</style>
<script>
//-----------//
// Functions //
//-----------//
console.log("Functions");
// 1. Write a function named 'greet' that greets the user. The greeting sh
// in an alert or logged to the console. Make sure that you call it as
function greet() {
console.log("Greetings user");
}
greet();
//
let num1 = 5;
let num2 = 7;
// 2. a. Write a function named 'sumAndPrint' that takes two numbers as pa
// adds them together, and logs the result to the console.
// b. Call the function passing in num1 and num2.
function sumAndPrint(num1, num2) {
let result = num1 + num2;
console.log(result);
}
sumAndPrint(num1, num2);
sumAndPrint(1, 2);
sumAndPrint(8, 12);
sumAndPrint(52, 78);
// 3. a. Write a function named 'sum' that takes two numbers as parameters
master*
Ln 16, Col 1 (65 selected)
Spaces: 2
UTF-8
CRLF
HTML
16°F
Cloudy
Search
ENG
10:51 AM
2/4/2023


index.js - ComposedCharmingFra
replit.com/@crangel155/ComposedCharmingFraction#index.js
ComposedCharmingFraction
crangel155
Invite
index.js
index.js > ...
let num1 = 5;
let num2 = 7;
function sumAndPrint(num1, num2) {
let result = num1 + num2;
console.log(result);
}
sumAndPrint(num1, num2);
sumAndPrint(1, 2);
sumAndPrint(8, 12);
sumAndPrint(52, 78);
Line 11 : Col 21
History
Console
Shell
12
3
20
130
Hint: hit control+c anytime to enter REPL.
programming_project_4.html - Intro to programming - Vi...
programming_project_4.html U
programming_projects > programming_project_4.html > html > head > script
// 1. Write a function named 'greet' that greets the use
// in an alert or logged to the console. Make sure th
function greet() {
console.log("Greetings user");
}
greet();
//
let num1 = 5;
let num2 = 7;
// 2. a. Write a function named 'sumAndPrint' that takes
// adds them together, and logs the result to the con
// b. Call the function passing in num1 and num2.
function sumAndPrint(num1, num2) {
let result = num1 + num2;
console.log(result);
}
sumAndPrint(num1, num2);
sumAndPrint(1, 2);
sumAndPrint(8, 12);
sumAndPrint(52, 78);
// 3. a. Write a function named 'sum' that takes two num
// adds them together, and returns the result.
// b. Set the default value of both numbers to 0.
// c. Call the function and log the result to the con
function sum(num1, num2) {
return num1 + num2;
}
num1 = 0;
num2 = 0;
console.log(sum(num1, num2));
console.log(sum(5, 10));
console.log(sum(789, 233));
master*
Spaces: 2
UTF-8
CRLF
HTML
16°F
Cloudy
Search
ENG
10:54 AM
2/4/2023


index.js - ComposedCharmingFra
replit.com/@crangel155/ComposedCharmingFraction#index.js
ComposedCharmingFraction
crangel155
Invite
index.js
index.js > ...
1 let num1 = 5;
2 let num2 = 7;
3
4 function sum(num1, num2) {
5 return num1 + num2;
6 }
7 num1 = 0;
8 num2 = 0;
9 console.log(sum(num1, num2));
10 console.log(sum(5, 10));
11 console.log(sum(789, 233));
Line 11 : Col 28
History
Console
Shell
0
15
1022
Hint: hit control+c anytime to enter REPL.
programming_project_4.html - Intro to programming - Vi...
programming_project_4.html U
programming_projects > programming_project_4.html > html > head > script
25
26 // 2. a. Write a function named 'sumAndPrint' that takes
27 // adds them together, and logs the result to the con
28 // b. Call the function passing in num1 and num2.
29 function sumAndPrint(num1, num2) {
30 let result = num1 + num2;
31 console.log(result);
32 }
33 sumAndPrint(num1, num2);
34 sumAndPrint(1, 2);
35 sumAndPrint(8, 12);
36 sumAndPrint(52, 78);
37 // 3. a. Write a function named 'sum' that takes two num
38 // adds them together, and returns the result.
39 // b. Set the default value of both numbers to 0.
40 // c. Call the function and log the result to the con
41 function sum(num1, num2) {
42 return num1 + num2;
43 }
44 num1 = 0;
45 num2 = 0;
46 console.log(sum(num1, num2));
47 console.log(sum(5, 10));
48 console.log(sum(789, 233));
49
50
51
52 // 4. a. create a variable that contains an array of at
53 // b. Log your array variable to the console.
54 // c. Write a function named 'findSmallest' that find
55 // an array and returns the result. For example, the
56 // should be the number 3. Note that the function sho
57 // d. Call the function passing in the array you crea
58 // to the console.
59 let numsArray = [72, 84, 55, 2, 5, 34]
60 console.log(numsArray);
61
master*
Spaces: 2
UTF-8
CRLF
HTML
16°F
Cloudy
Search
ENG
10:55 AM
2/4/2023



index.js - ComposedCharmingFra

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ComposedCharmingFraction
crangel155

Invite

index.js

```
1  let numsArray = [72, 84, 55, 2, 5, 34]
2  console.log(numsArray);
3
4  function findSmallest(arr) {
5    let array = arr;
6    let smolNum = array[0];
7    for (let i = 0; i < arr.length; i++) {
8      if (array[i] < smolNum) {
9        smolNum = array[i];
10     } else if (array[i] > smolNum) {
11       smolNum = smolNum;
12     } else {
13       smolNum = array[i];
14     }
15
16   }
17   return smolNum;
18 }
19 console.log(findSmallest(numsArray));
```

Line 19 : Col 38

History

Console

Shell

```
[ 72, 84, 55, 2, 5, 34 ]
2
Hint: hit control+c anytime to enter REPL.
>
```

programming_project_4.html - Intro to programming - Vi...

programming_project_4.html U

programming_projects > programming_project_4.html > html > head > script

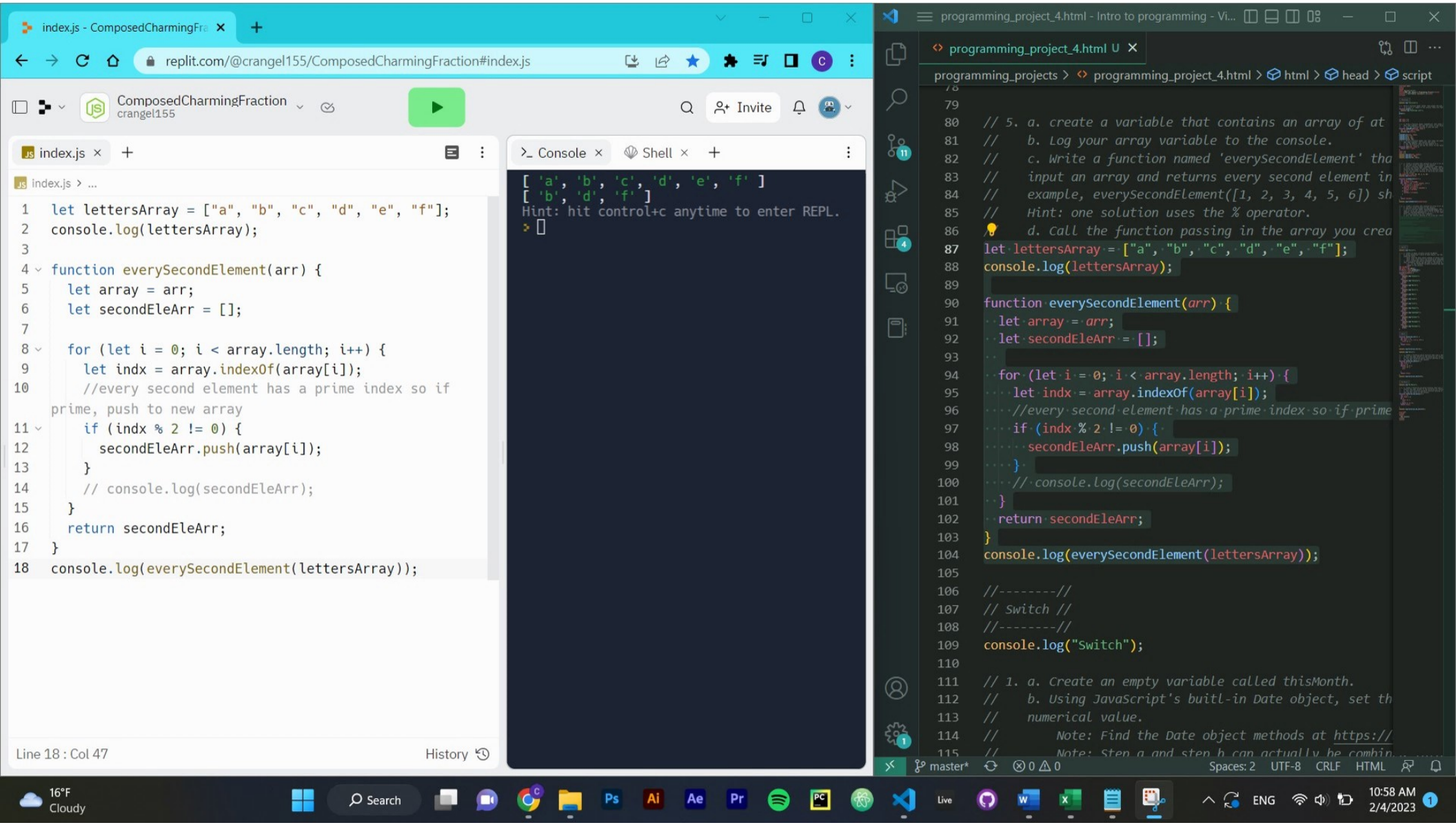
```
45  num2 = 0;
46  console.log(sum(num1, num2));
47  console.log(sum(5, 10));
48  console.log(sum(789, 233));
49
50
51
52  // 4. a. create a variable that contains an array of at
53  //    b. Log your array variable to the console.
54  //    c. Write a function named 'findSmallest' that find
55  //    an array and returns the result. For example, the
56  //    should be the number 3. Note that the function sho
57  //    d. Call the function passing in the array you crea
58  //    to the console.
59  let numsArray = [72, 84, 55, 2, 5, 34]
60  console.log(numsArray);
61
62  function findSmallest(arr) {
63    let array = arr;
64    let smolNum = array[0];
65    for (let i = 0; i < arr.length; i++) {
66      if (array[i] < smolNum) {
67        smolNum = array[i];
68      } else if (array[i] > smolNum) {
69        smolNum = smolNum;
70      } else {
71        smolNum = array[i];
72      }
73
74    }
75    return smolNum;
76  }
77  console.log(findSmallest(numsArray));
78
79
80  // 5. a. create a variable that contains an array of at
81  //    b. Log your array variable to the console.
82  //    c. Write a function named 'everySecondElement' tha
```

master* 0 0 Spaces: 2 UTF-8 CRLF HTML

16°F Cloudy

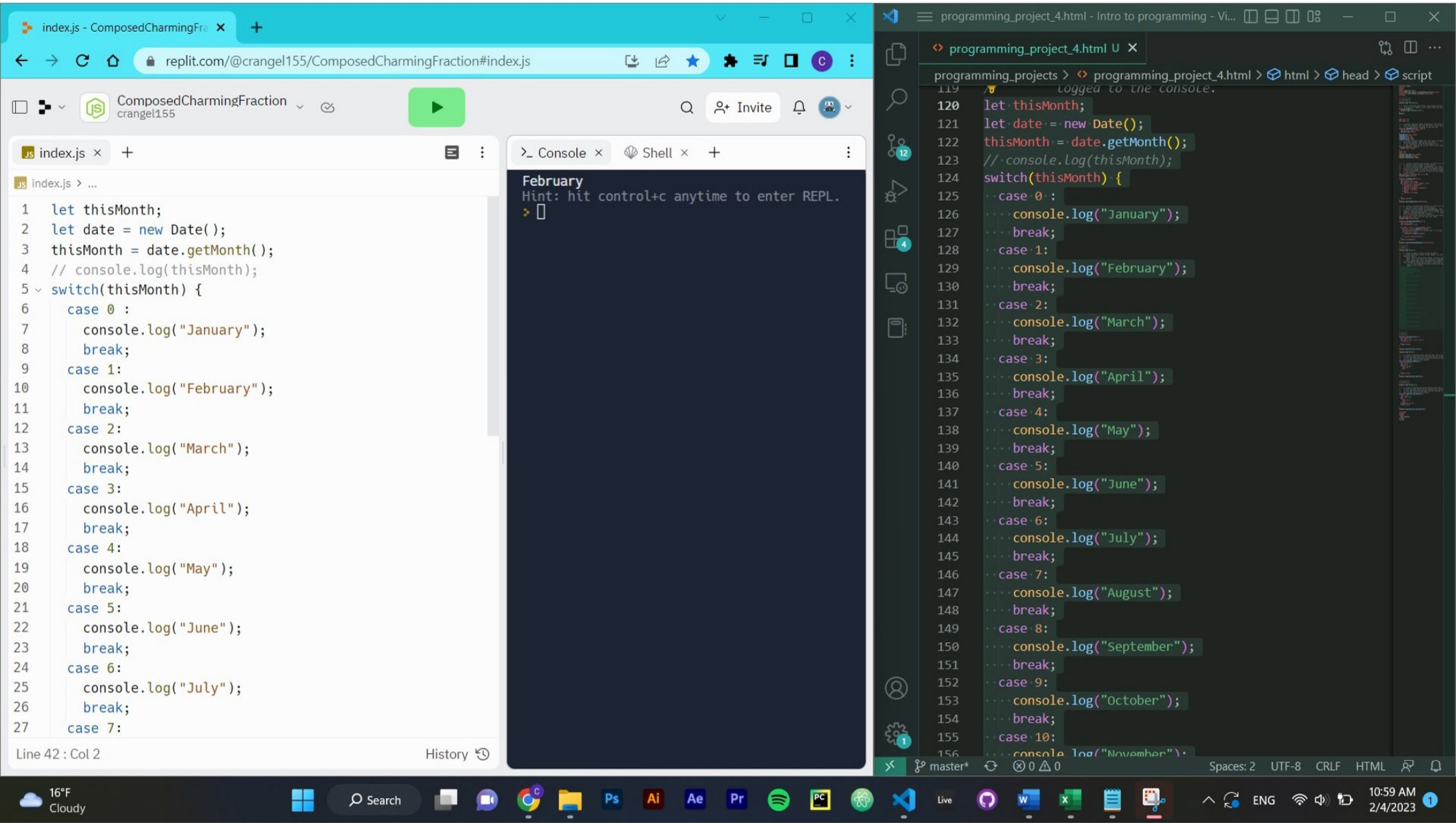
Search

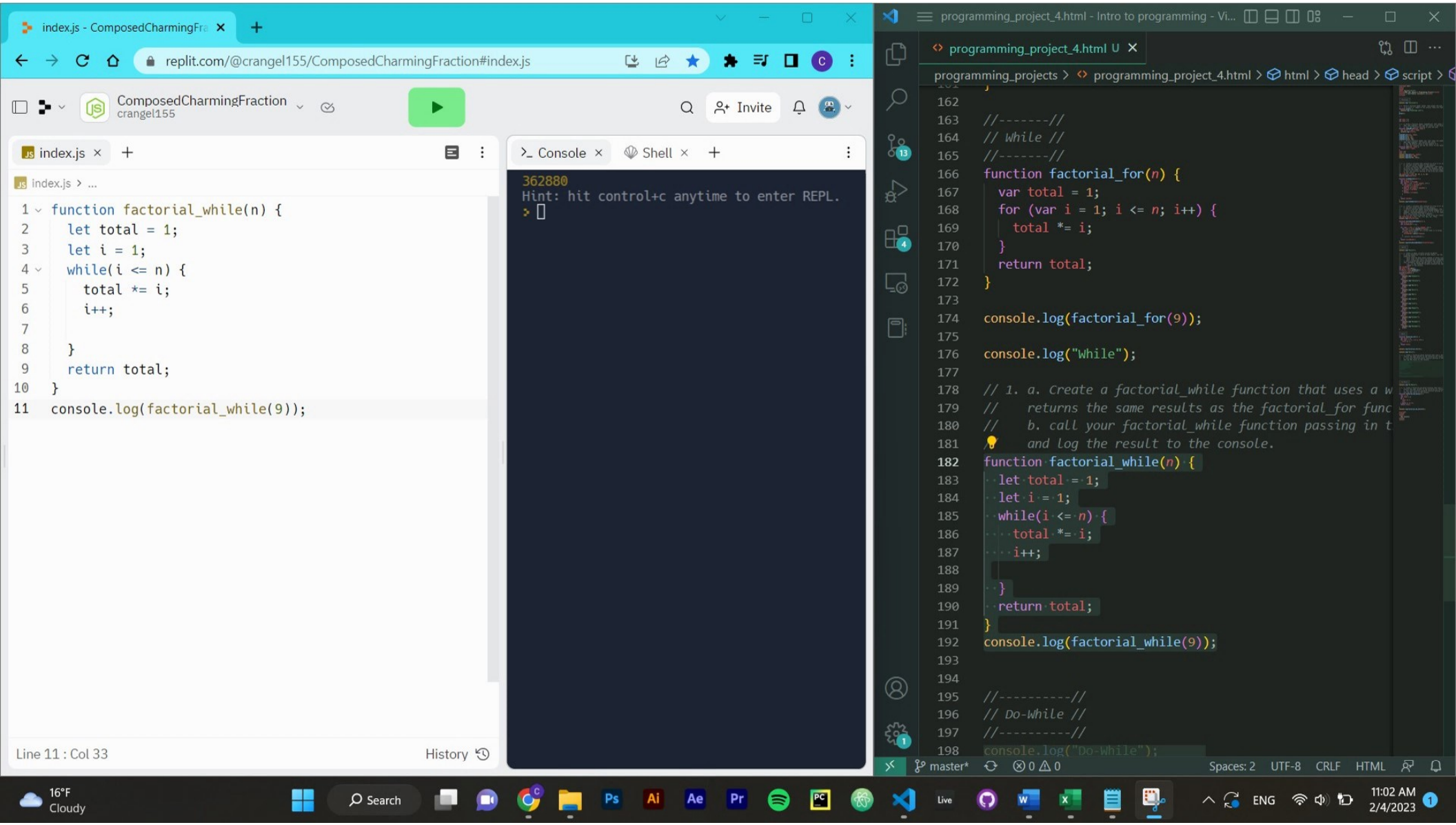
ENG 10:56 AM 2/4/2023




```
let lettersArray = ["a", "b", "c", "d", "e", "f"];
console.log(lettersArray);

function everySecondElement(arr) {
  let array = arr;
  let secondEleArr = [];

  for (let i = 0; i < array.length; i++) {
    let indx = array.indexOf(array[i]);
    //every second element has a prime index so if prime, push to new array
    if (indx % 2 != 0) {
      secondEleArr.push(array[i]);
    }
    // console.log(secondEleArr);
  }
  return secondEleArr;
}
console.log(everySecondElement(lettersArray));
```

```
// 5. a. create a variable that contains an array of at
//    b. Log your array variable to the console.
//    c. Write a function named 'everySecondElement' tha
//    input an array and returns every second element in
//    example, everySecondElement([1, 2, 3, 4, 5, 6]) sh
//    Hint: one solution uses the % operator.
//    d. Call the function passing in the array you crea
let lettersArray = ["a", "b", "c", "d", "e", "f"];
console.log(lettersArray);

function everySecondElement(arr) {
  let array = arr;
  let secondEleArr = [];

  for (let i = 0; i < array.length; i++) {
    let indx = array.indexOf(array[i]);
    //every second element has a prime index so if prime
    if (indx % 2 != 0) {
      secondEleArr.push(array[i]);
    }
    // console.log(secondEleArr);
  }
  return secondEleArr;
}
console.log(everySecondElement(lettersArray));

//--------//
// Switch //
//--------//
console.log("Switch");

// 1. a. Create an empty variable called thisMonth.
//    b. Using JavaScript's buitl-in Date object, set th
//    numerical value.
//        Note: Find the Date object methods at https://
//        Note: Step a and step b can actually be combin
```


index.js - ComposedCharmingFra
replit.com/@crangel155/ComposedCharmingFraction#index.js
ComposedCharmingFraction
crangel155
Invite
index.js
index.js > ...
1 let thisMonth;
2 let date = new Date();
3 thisMonth = date.getMonth();
4 // console.log(thisMonth);
5 switch(thisMonth) {
6 case 0 :
7 console.log("January");
8 break;
9 case 1:
10 console.log("February");
11 break;
12 case 2:
13 console.log("March");
14 break;
15 case 3:
16 console.log("April");
17 break;
18 case 4:
19 console.log("May");
20 break;
21 case 5:
22 console.log("June");
23 break;
24 case 6:
25 console.log("July");
26 break;
27 case 7:
Line 42 : Col 2
History
Console
Shell
February
Hint: hit control+c anytime to enter REPL.
programming_project_4.html - Intro to programming - Vi...
programming_project_4.html U
programming_projects > programming_project_4.html > html > head > script
120 let thisMonth;
121 let date = new Date();
122 thisMonth = date.getMonth();
123 // console.log(thisMonth);
124 switch(thisMonth) {
125 case 0 :
126 console.log("January");
127 break;
128 case 1:
129 console.log("February");
130 break;
131 case 2:
132 console.log("March");
133 break;
134 case 3:
135 console.log("April");
136 break;
137 case 4:
138 console.log("May");
139 break;
140 case 5:
141 console.log("June");
142 break;
143 case 6:
144 console.log("July");
145 break;
146 case 7:
147 console.log("August");
148 break;
149 case 8:
150 console.log("September");
151 break;
152 case 9:
153 console.log("October");
154 break;
155 case 10:
master*
Spaces: 2
UTF-8
CRLF
HTML
16°F
Cloudy
Search
ENG
10:59 AM
2/4/2023



index.js - ComposedCharmingFra

replit.com/@crangel155/ComposedCharmingFraction#index.js

ComposedCharmingFraction
crangel155

Invite

index.js

```
function factorial_while(n) {
  let total = 1;
  let i = 1;
  while(i <= n) {
    total *= i;
    i++;

  }
  return total;
}
console.log(factorial_while(9));
```

Line 11 : Col 33

History

Console

Shell

```
362880
Hint: hit control+c anytime to enter REPL.
>
```

programming_project_4.html - Intro to programming - Vi...

programming_project_4.html U

programming_projects > programming_project_4.html > html > head > script

```
//-------//
// While //
//-------//
function factorial_for(n) {
  var total = 1;
  for (var i = 1; i <= n; i++) {
    total *= i;
  }
  return total;
}

console.log(factorial_for(9));

console.log("While");

// 1. a. Create a factorial_while function that uses a w
//    returns the same results as the factorial_for func
//    b. call your factorial_while function passing in t
//    and log the result to the console.
function factorial_while(n) {
  let total = 1;
  let i = 1;
  while(i <= n) {
    total *= i;
    i++;

  }
  return total;
}
console.log(factorial_while(9));


//----------//
// Do-While //
//----------//
console.log("Do-While");
```

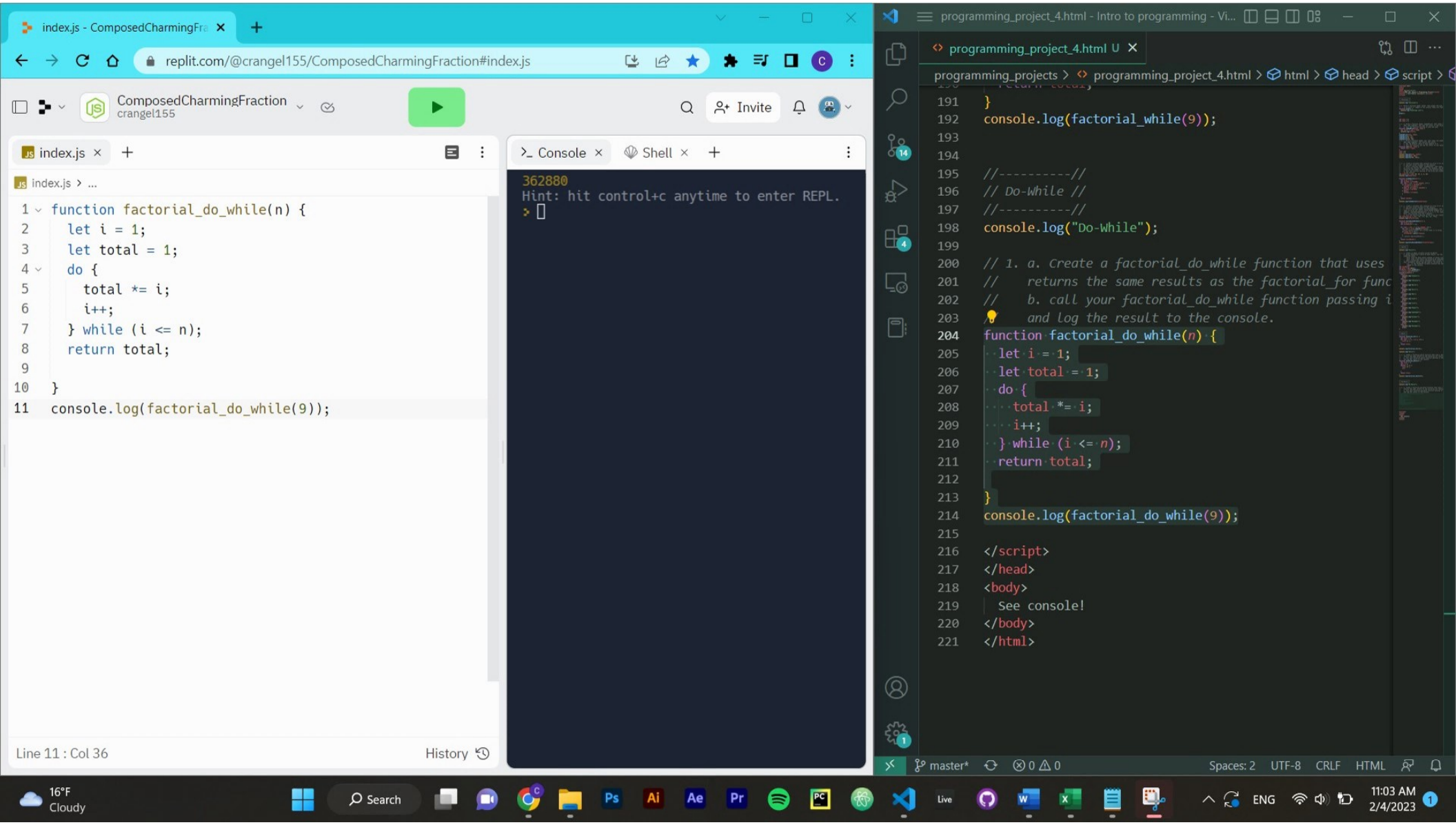
master* 0 0 Spaces: 2 UTF-8 CRLF HTML

16°F Cloudy

Search

ENG

11:02 AM
2/4/2023


index.js - ComposedCharmingFra
replit.com/@crangel155/ComposedCharmingFraction#index.js
ComposedCharmingFraction
crangel155
Invite
index.js
index.js > ...
function factorial_do_while(n) {
let i = 1;
let total = 1;
do {
total *= i;
i++;
} while (i <= n);
return total;
}
console.log(factorial_do_while(9));
Line 11 : Col 36
History
Console
Shell
362880
Hint: hit control+c anytime to enter REPL.
programming_project_4.html - Intro to programming - Vi...
programming_project_4.html U
programming_projects > programming_project_4.html > html > head > script
}
console.log(factorial_while(9));
//----------//
// Do-While //
//----------//
console.log("Do-While");
// 1. a. Create a factorial_do_while function that uses
// returns the same results as the factorial_for func
// b. call your factorial_do_while function passing i
// and log the result to the console.
function factorial_do_while(n) {
let i = 1;
let total = 1;
do {
total *= i;
i++;
} while (i <= n);
return total;
}
console.log(factorial_do_while(9));
</script>
</head>
<body>
See console!
</body>
</html>
master*
Spaces: 2
UTF-8
CRLF
HTML
16°F
Cloudy
Search
ENG
11:03 AM
2/4/2023