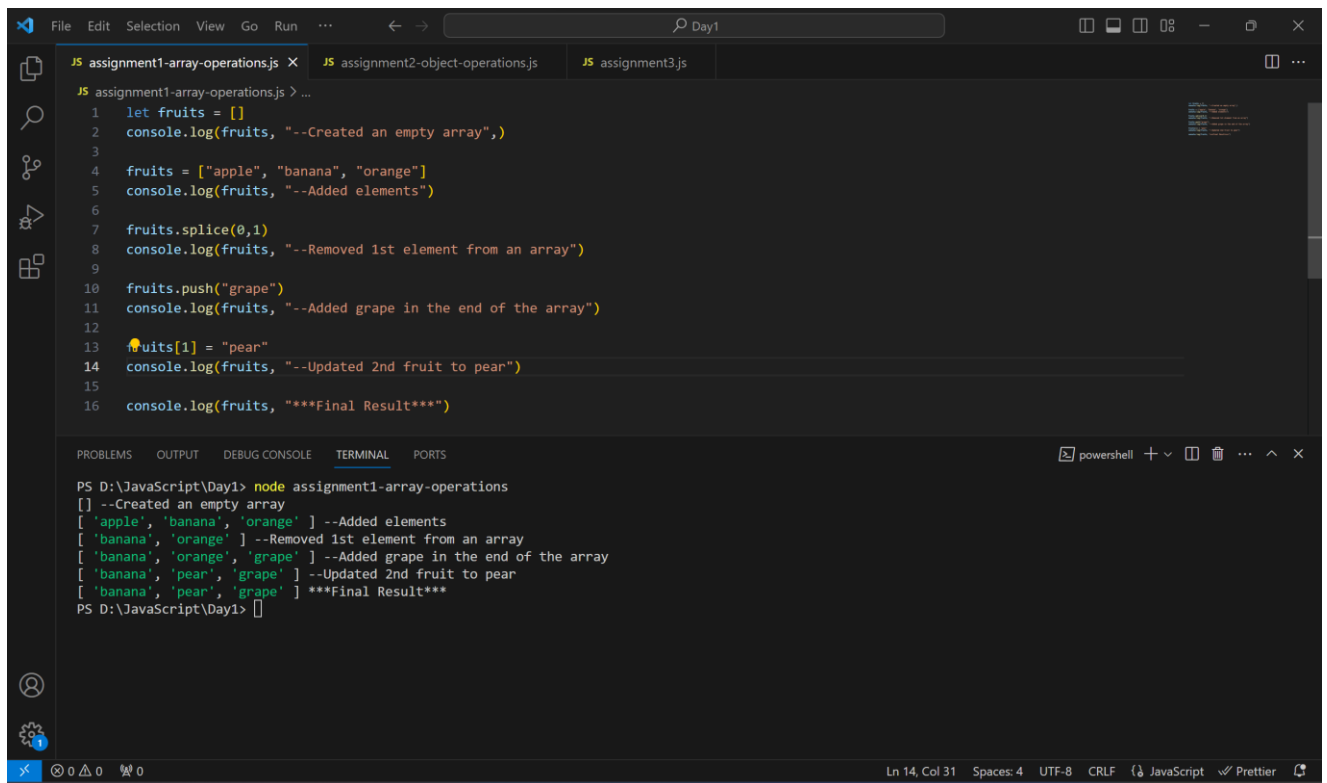


# How to Javascript : Day1 Assignments

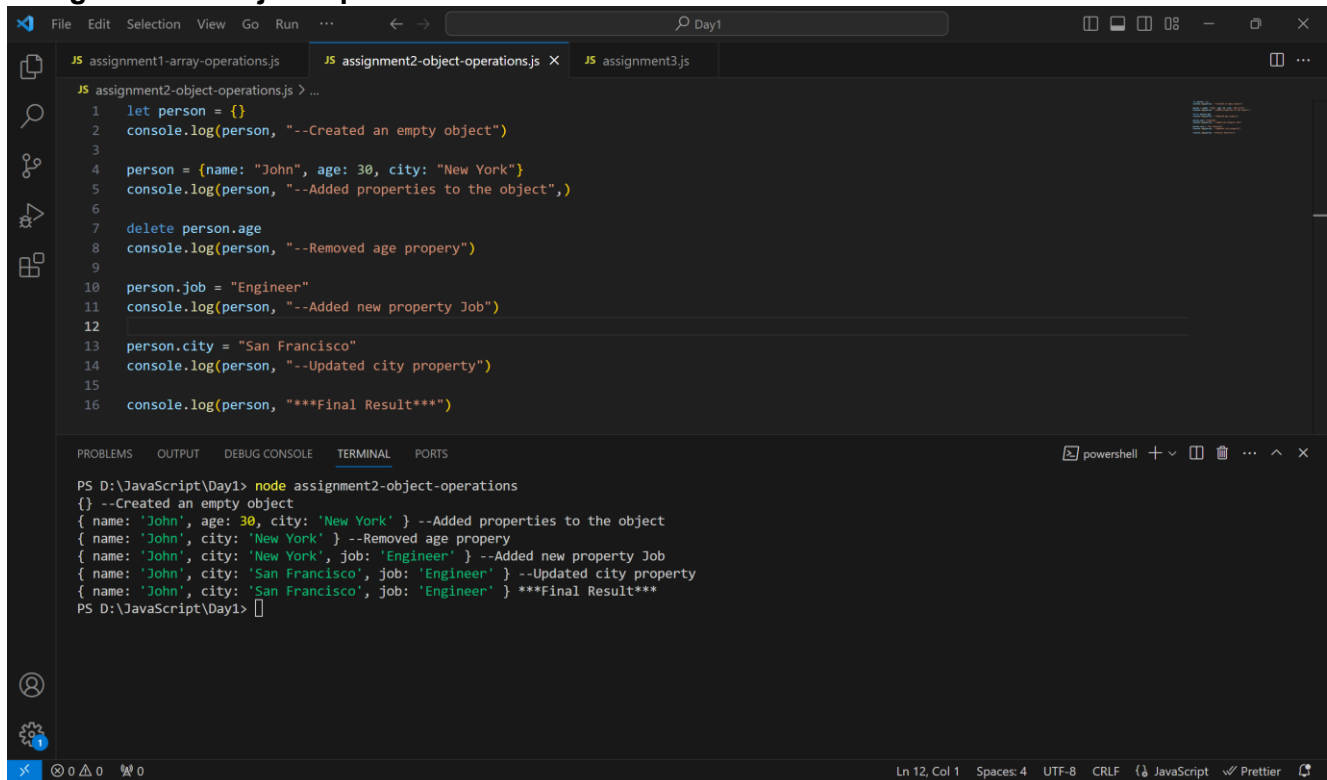
## Assignment 1: Array Operations



```
JS assignment1-array-operations.js > ...
1 let fruits = []
2 console.log(fruits, "--Created an empty array",)
3
4 fruits = ["apple", "banana", "orange"]
5 console.log(fruits, "--Added elements")
6
7 fruits.splice(0,1)
8 console.log(fruits, "--Removed 1st element from an array")
9
10 fruits.push("grape")
11 console.log(fruits, "--Added grape in the end of the array")
12
13 fruits[1] = "pear"
14 console.log(fruits, "--Updated 2nd fruit to pear")
15
16 console.log(fruits, "****Final Result****")

PS D:\JavaScript\Day1> node assignment1-array-operations
[] --Created an empty array
[ 'apple', 'banana', 'orange' ] --Added elements
[ 'banana', 'orange' ] --Removed 1st element from an array
[ 'banana', 'orange', 'grape' ] --Added grape in the end of the array
[ 'banana', 'pear', 'grape' ] --Updated 2nd fruit to pear
[ 'banana', 'pear', 'grape' ] ****Final Result****
PS D:\JavaScript\Day1>
```

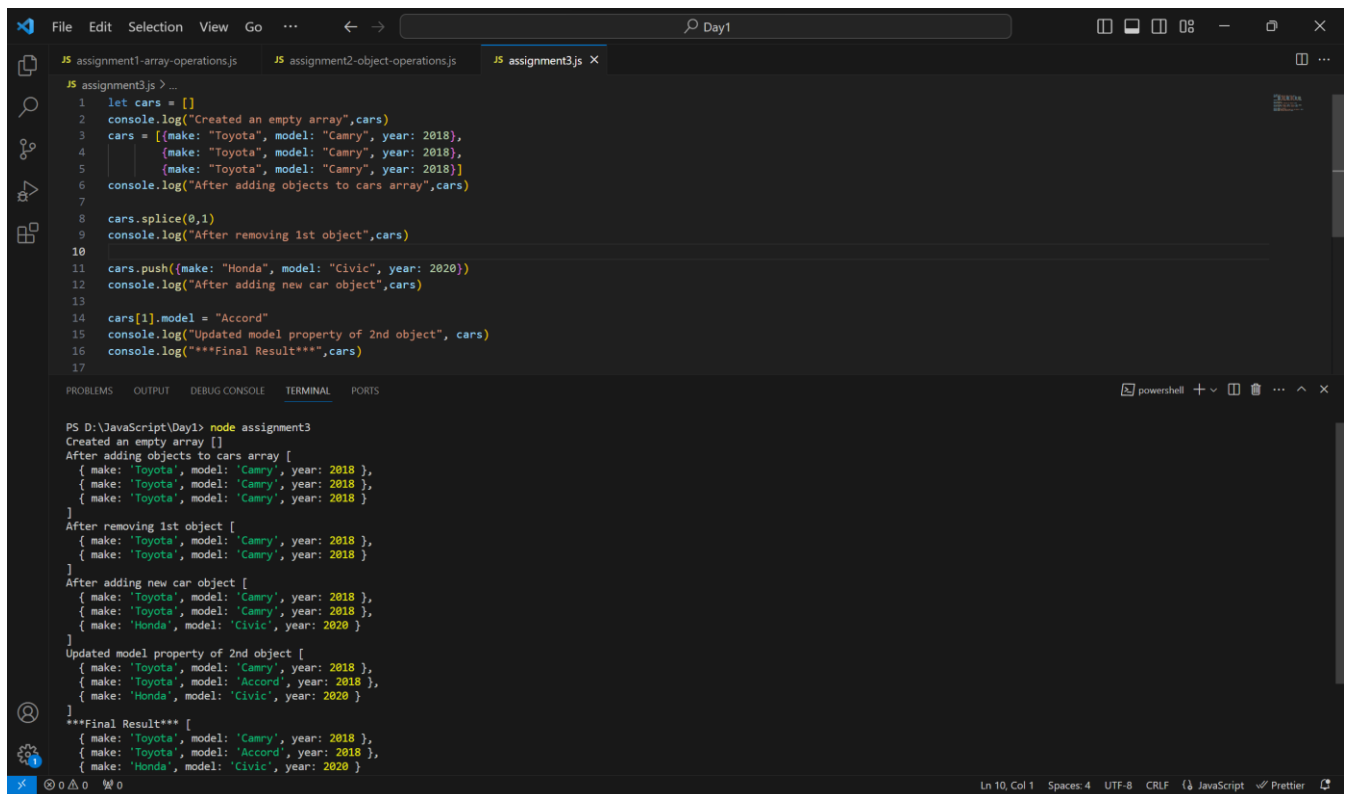
## Assignment 2: Object Operations



```
JS assignment1-array-operations.js JS assignment2-object-operations.js X JS assignment3.js
JS assignment2-object-operations.js > ...
1 let person = {}
2 console.log(person, "--Created an empty object")
3
4 person = {name: "John", age: 30, city: "New York"}
5 console.log(person, "--Added properties to the object",)
6
7 delete person.age
8 console.log(person, "--Removed age property")
9
10 person.job = "Engineer"
11 console.log(person, "--Added new property Job")
12
13 person.city = "San Francisco"
14 console.log(person, "--Updated city property")
15
16 console.log(person, "****Final Result****")

PS D:\JavaScript\Day1> node assignment2-object-operations
{} --Created an empty object
{ name: 'John', age: 30, city: 'New York' } --Added properties to the object
{ name: 'John', city: 'New York' } --Removed age property
{ name: 'John', city: 'New York', job: 'Engineer' } --Added new property Job
{ name: 'John', city: 'San Francisco', job: 'Engineer' } --Updated city property
{ name: 'John', city: 'San Francisco', job: 'Engineer' } ****Final Result****
PS D:\JavaScript\Day1>
```

## Assignment 3: Array of Objects Operations



The image shows a Visual Studio Code editor window with three tabs: `assignment1-array-operations.js`, `assignment2-object-operations.js`, and `assignment3.js`. The `assignment3.js` tab is active, displaying the following JavaScript code:

```
1 let cars = []
2 console.log("Created an empty array",cars)
3 cars = [{make: "Toyota", model: "Camry", year: 2018},
4         {make: "Toyota", model: "Camry", year: 2018},
5         {make: "Toyota", model: "Camry", year: 2018}]
6 console.log("After adding objects to cars array",cars)
7
8 cars.splice(0,1)
9 console.log("After removing 1st object",cars)
10
11 cars.push({make: "Honda", model: "Civic", year: 2020})
12 console.log("After adding new car object",cars)
13
14 cars[1].model = "Accord"
15 console.log("Updated model property of 2nd object", cars)
16 console.log("****Final Result****",cars)
17
```

Below the code editor, the `TERMINAL` panel shows the output of running `node assignment3` in a PowerShell terminal:

```
PS D:\JavaScript\Day1> node assignment3
Created an empty array []
After adding objects to cars array [
  { make: 'Toyota', model: 'Camry', year: 2018 },
  { make: 'Toyota', model: 'Camry', year: 2018 },
  { make: 'Toyota', model: 'Camry', year: 2018 }
]
After removing 1st object [
  { make: 'Toyota', model: 'Camry', year: 2018 },
  { make: 'Toyota', model: 'Camry', year: 2018 }
]
After adding new car object [
  { make: 'Toyota', model: 'Camry', year: 2018 },
  { make: 'Toyota', model: 'Camry', year: 2018 },
  { make: 'Honda', model: 'Civic', year: 2020 }
]
Updated model property of 2nd object [
  { make: 'Toyota', model: 'Camry', year: 2018 },
  { make: 'Toyota', model: 'Accord', year: 2018 },
  { make: 'Honda', model: 'Civic', year: 2020 }
]
****Final Result**** [
  { make: 'Toyota', model: 'Camry', year: 2018 },
  { make: 'Toyota', model: 'Accord', year: 2018 },
  { make: 'Honda', model: 'Civic', year: 2020 }
]
```

The status bar at the bottom indicates the current cursor position is `Ln 10, Col 1`, with `Spaces: 4`, `UTF-8` encoding, `CRLF` line endings, and `JavaScript` language mode. The `Prettier` formatter is also active.