

Assignment – 9

Summary:

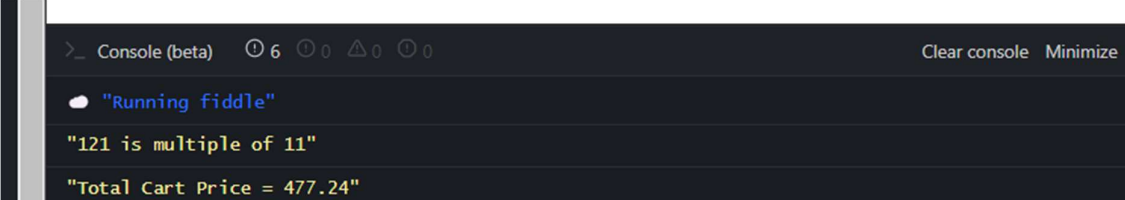
In today's class, we covered JavaScript Control Statements, specifically focusing on for loops and if-else statements. The instructor explained the purpose of loop statements and introduced the syntax of for loops. We got hands-on with a practical example involving an array of car details, calculating car prices using for loops.

Later on, we delved into if-else conditional statements with a straightforward example to understand their application in JavaScript. The class concluded with an introduction to "JSON," where the instructor highlighted its usage and syntax through an example. It was a practical and informative session on JavaScript control statements, adding a useful layer to our understanding.

Practice:

```
2 let number = 121;
3 if(number % 11 == 0) {
4   console.log(`${number} is multiple of 11`);
5 } else {
6   console.log(`${number} is not multiple of 11`);
7 }
8
9 // for loop
10 let cart = [
11   {
12     name: "Mobile",
13     price: 345.90,
14     quantity: 2
15   },
16   {
17     name: "Wooden Plank",
18     price: 40,
19     quantity: 3
20   },
21   {
22     name: "Books",
23     price: 79.54,
24     quantity: 6
25   }
26 ];
27
28 let totalPrice = 0;
29 for(let i = 0; i < cart.length; i++) {
30   totalPrice = (cart[i].price * cart[i].quantity);
31 }
32 console.log(`Total Cart Price = ${totalPrice}`);
```

Output:



```
> Console (beta) 6 Clear console Minimize
"Running fiddle"
"121 is multiple of 11"
"Total Cart Price = 477.24"
```

JavaScript + No-Library (pure JS) ▼

```
36 ▾ let jsonObj = [  
37 ▾ {  
38   "day": "Monday",  
39   "open": 9,  
40   "close": 6  
41 },  
42 ▾ {  
43   "day": "Tuesday",  
44   "open": 9,  
45   "close": 6  
46 },  
47 ▾ {  
48   "day": "Saturday",  
49   "open": 2,  
50   "close": 10  
51 },  
52 ▾ {  
53   "day": "Sunday",  
54   "open": 2,  
55   "close": 10  
56 }  
57 ]  
58 getWeekends();  
59 ▾ function getWeekends() {  
60 ▾ for(let i = 0; i < jsonObj.length; i++) {  
61 ▾ if(jsonObj[i].open == 2) {  
62   console.log(`${jsonObj[i].day} is a weekend`);  
63 ▾ } else {  
64   console.log(`${jsonObj[i].day} is a weekday`);  
65 }  
66 }  
67 }
```

>_ Console (beta)

6 0 0 0 0

Clear console Minimize

Running fiddle

"121 is multiple of 11"

"Total Cart Price = 477.24"

"Monday is a weekday"

"Tuesday is a weekday"

"Saturday is a weekend"

"Sunday is a weekend"

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