Lesson 01 Demo 04

Creating a Cart List of Dish Objects

Objective: To create a cart list of dish objects

Tools required: Visual Studio Code

Prerequisites: HTML and CSS

Steps to be followed:
1. Create Demo4.js
2. Add cart display discussions
3. Add an array in user

Step 1: Create Demo4.js

1.1 Install npm library using the following command:
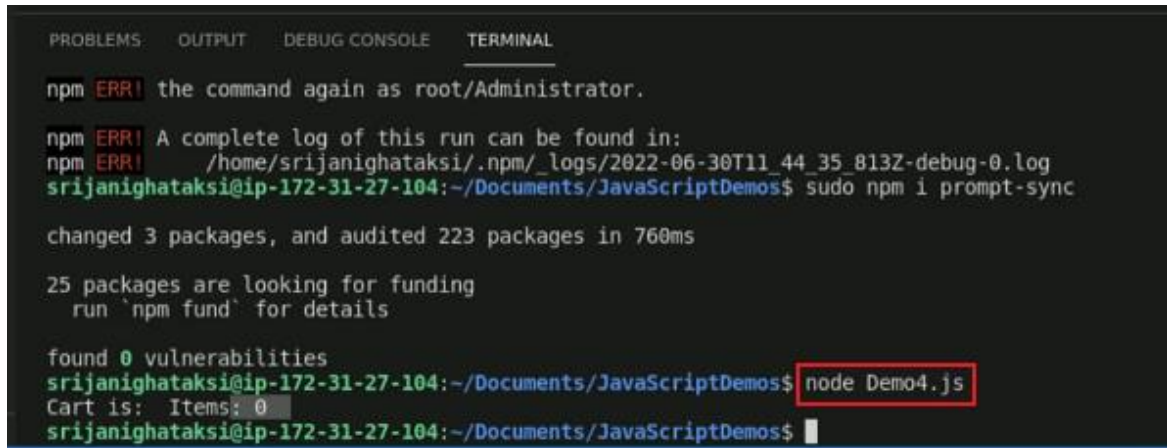
sudo npm I prompt-sync

```
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ sudo npm i prompt-sync
```

1.2 Create **Demo4.js** file and add menu items in it

```js
let prompt = require('prompt-sync')();

let menu = {
    burger: 100,
    fires: 50,
    pizza: 300,
    cola: 80,
    noodles: 220
}

let cart = [];
console.log("Cart is: "+cart+" Items: "+cart.length);
```

1.3 Open the **terminal** in this directory and use the following command to run the file:
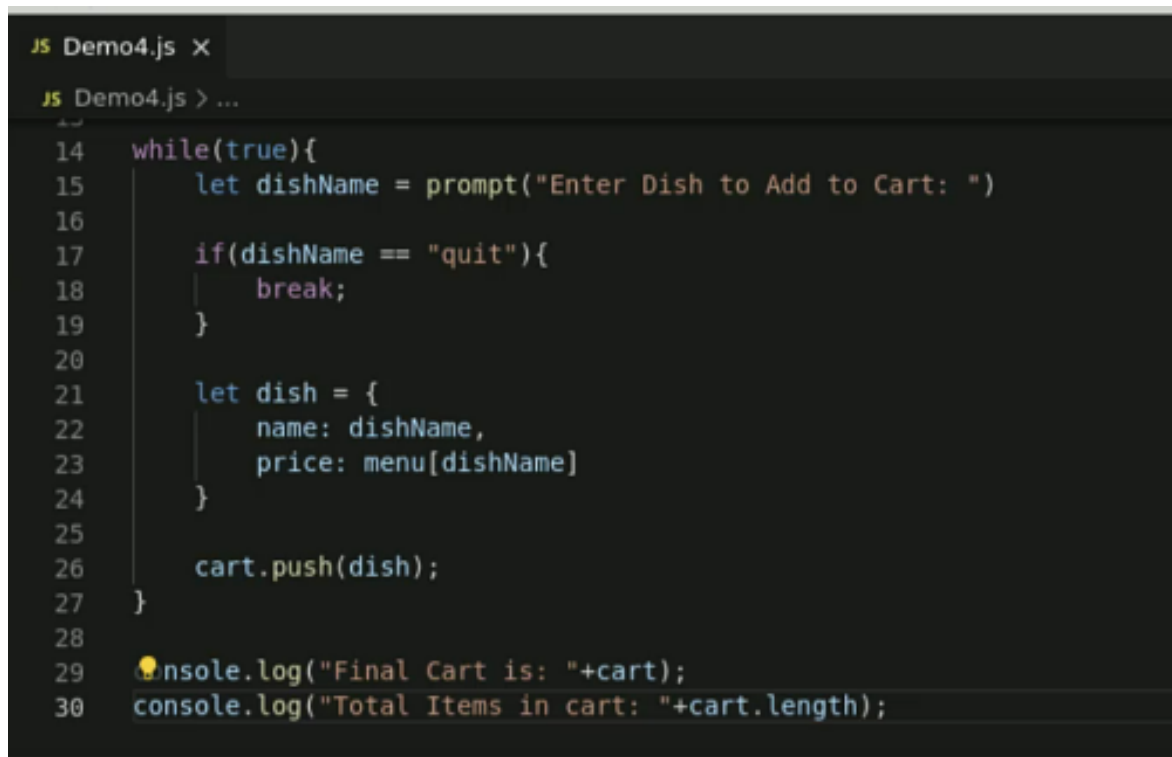
node Demo4.js

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

npm ERR! the command again as root/Administrator.

npm ERR! A complete log of this run can be found in:
npm ERR!     /home/srijanighataksi/.npm/_logs/2022-06-30T11_44_35_813Z-debug-0.log
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ sudo npm i prompt-sync

changed 3 packages, and audited 223 packages in 760ms

25 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo4.js
Cart is:  Items: 0
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ █
```

Step 2: Add cart display conditions

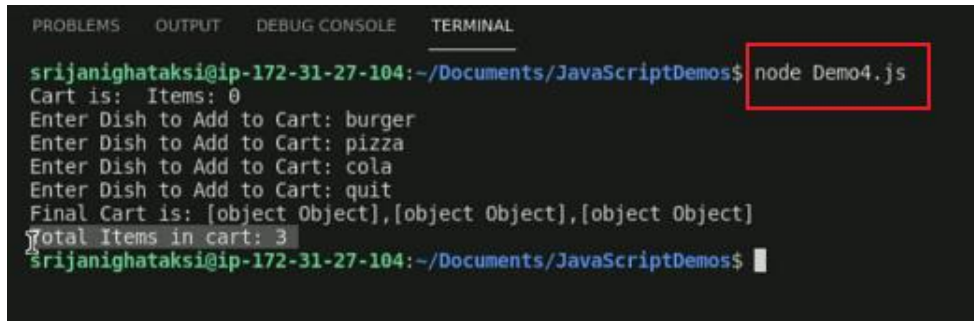2.1 Add a **while** condition for displaying the cart items

```
JS Demo4.js ×

JS Demo4.js > ...
14    while(true){
15        let dishName = prompt("Enter Dish to Add to Cart: ")
16
17        if(dishName == "quit"){
18            break;
19        }
20
21        let dish = {
22            name: dishName,
23            price: menu[dishName]
24        }
25
26        cart.push(dish);
27    }
28
29    console.log("Final Cart is: "+cart);
30    console.log("Total Items in cart: "+cart.length);
```
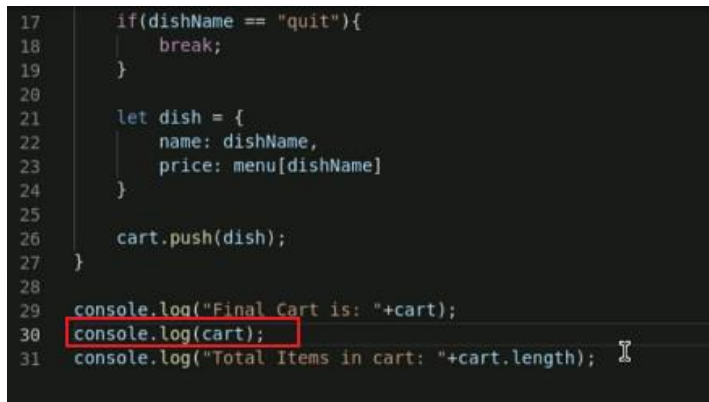
2.2 Open the **terminal** in this directory and use the following command to run the file:

node Demo4.js

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo4.js
Cart is:   Items: 0
Enter Dish to Add to Cart: burger
Enter Dish to Add to Cart: pizza
Enter Dish to Add to Cart: cola
Enter Dish to Add to Cart: quit
Final Cart is: [object Object],[object Object],[object Object]
Total Items in cart: 3
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ 
```
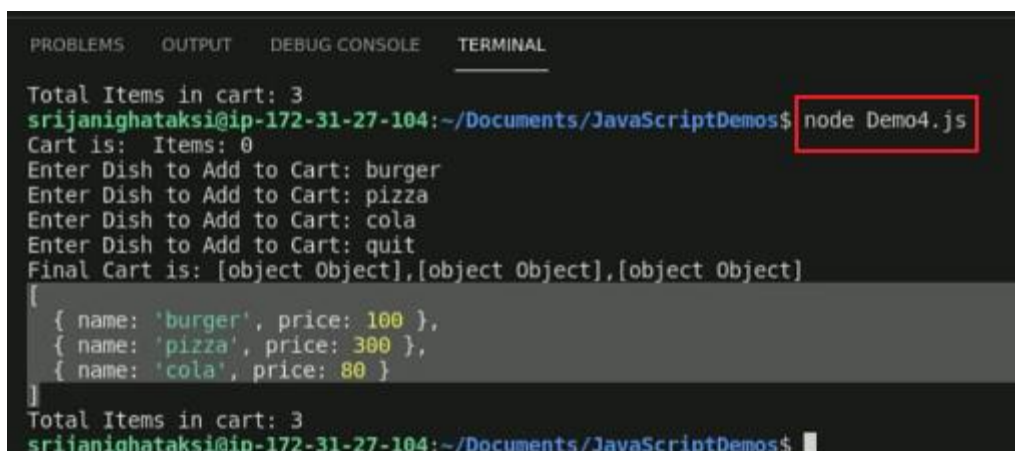
2.3 Add a print statement for displaying the cart items

```
17        if(dishName == "quit"){
18            break;
19        }
20
21        let dish = {
22            name: dishName,
23            price: menu[dishName]
24        }
25
26        cart.push(dish);
27    }
28
29    console.log("Final Cart is: "+cart);
30    console.log(cart);
31    console.log("Total Items in cart: "+cart.length);
```

2.4 Open the **terminal** in this directory and use the following command to run the file:

node Demo4.js

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

Total Items in cart: 3
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo4.js
Cart is:   Items: 0
Enter Dish to Add to Cart: burger
Enter Dish to Add to Cart: pizza
Enter Dish to Add to Cart: cola
Enter Dish to Add to Cart: quit
Final Cart is: [object Object],[object Object],[object Object]
[
  { name: 'burger', price: 100 },
  { name: 'pizza', price: 300 },
  { name: 'cola', price: 80 }
]
Total Items in cart: 3
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ 
```

Step 3: Display the total amount of cart items

3.1 Add a **for** loop for displaying the cart items and the total amount

```
JS Demo4.js > [ø] menu > 🔧 fries
27    }
28
29    console.log("Final Cart is: "+cart);
30    console.log(cart);
31    console.log("Total Items in cart: "+cart.length);
32
33    console.log("Dishes in Cart: ");
34    let totalAmount = 0;
35    for(let dish of cart){
36        console.log(dish);
37        totalAmount += dish.price;
38    }
39
40
41    console.log("Total Amount of Cart: "+totalAmount);
42
```

3.2 Open the **terminal** in this directory and use the following command to run the file:

node Demo4.js

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo4.js
Cart is:   Items: 0
Enter Dish to Add to Cart: noodles
Enter Dish to Add to Cart: fries
Enter Dish to Add to Cart: cola
Enter Dish to Add to Cart: quit
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

Enter Dish to Add to Cart: cola
Enter Dish to Add to Cart: quit
Final Cart is: [object Object],[object Object],[object Object]
[
    { name: 'noodles', price: 220 },
    { name: 'fries', price: 50 },
    { name: 'cola', price: 80 }
]
Total Items in cart: 3
Dishes in Cart:
{ name: 'noodles', price: 220 }
{ name: 'fries', price: 50 }
{ name: 'cola', price: 80 }
Total Amount of Cart: 350
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$
```