# Lesson 5 Demo 1

Creating Shopping Cart List of Product Objects

Objective: To create shopping cart list of product object

Prerequisites: None

Steps to perform:

1. Open a visual studio code.

2. Create a file name arrays.js.

3. Create a menu object.


```javascript
let menu = {
    burger: 100,
    noodles: 200,
    pizza: 300,
    fries: 50,
    cola: 80
}
```

4. Create a cart array.

```
JS arrays.js  ●

JS arrays.js > [◎] cart
  1   let menu = {
  2       burger: 100,
  3       noodles: 200,
  4       pizza: 300,
  5       fries: 50,
  6       cola: 80
  7   }
  8
  9   let cart = []
```
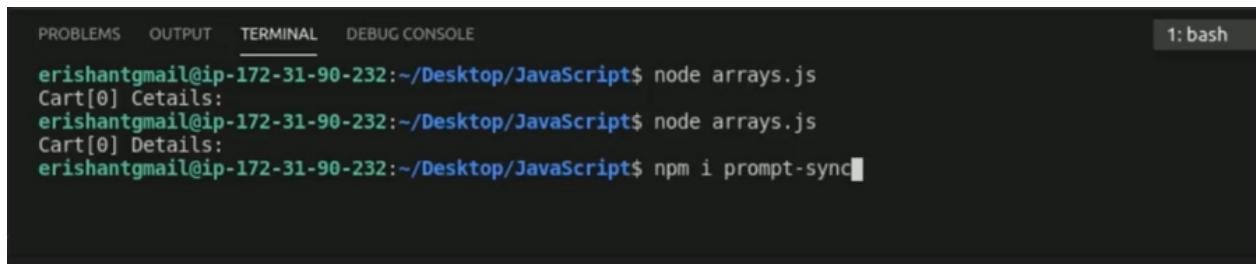
5. Enter 'console.log("Cart["+cart.length+"] Details: "+cart);'.


```
JS arrays.js  ✕

JS arrays.js > ...
  1   let menu = {
  2       burger: 100,
  3       noodles: 200,
  4       pizza: 300,
  5       fries: 50,
  6       cola: 80
  7   }
  8
  9   let cart = []
 10   💡
 11   console.log("Cart["+cart.length+"] Cetails: "+cart);
 12
```

6. Run the code in the terminal. Enter 'node arrays.js'.
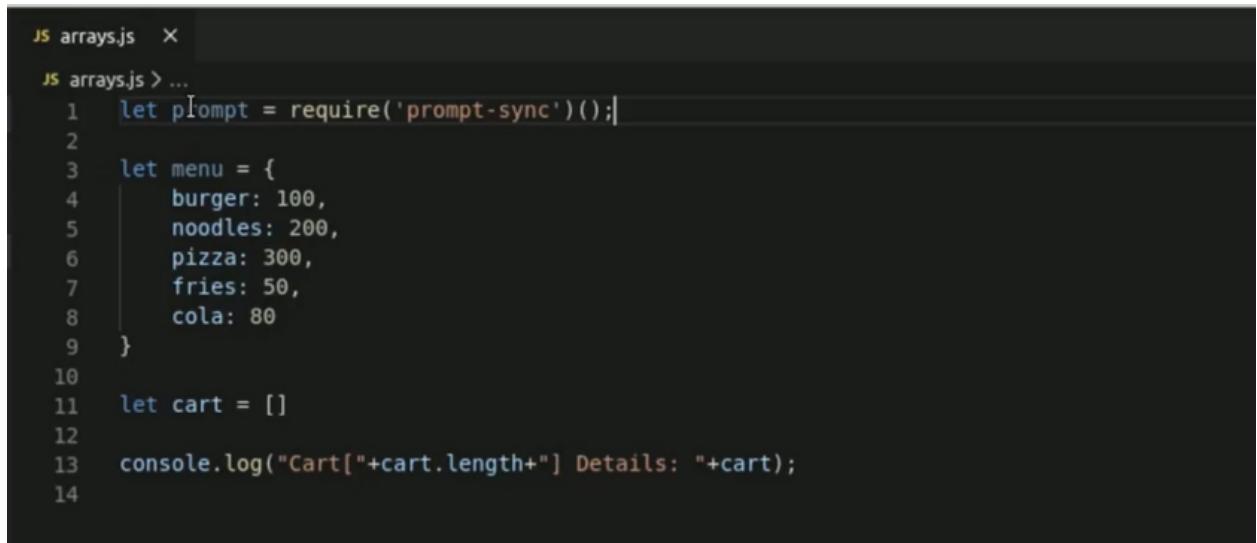

```
PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE                                    1: bash

erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Cart[0] Cetails:
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ ▯
```

7. Enter 'npm I prompt-sync'.

```
PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE                                                      1: bash
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Cart[0] Cetails:
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Cart[0] Details:
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ npm i prompt-sync
```

8. Create a variable called Prompt. Enter 'let prompt = require('prompt-sync')();'.

```
JS arrays.js   ✕

JS arrays.js > ...
  1    let prompt = require('prompt-sync')();
  2
  3    let menu = {
  4        burger: 100,
  5        noodles: 200,
  6        pizza: 300,
  7        fries: 50,
  8        cola: 80
  9    }
 10
 11    let cart = []
 12
 13    console.log("Cart["+cart.length+"] Details: "+cart);
 14
```

9. Enter 'let choice = prompt("Enter your choice:")
            'console.log("Your choice: "+choice);'

```
JS arrays.js   ×

JS arrays.js > ...
  2
  3    let menu = {
  4        burger: 100,
  5        noodles: 200,
  6        pizza: 300,
  7        fries: 50,
  8        cola: 80
  9    }
 10
 11    let cart = []
 12
 13    console.log("Cart["+cart.length+"] Details: "+cart);
 14
 15    let choice = prompt("Enter Your Choice:")
 16    console.log("Your choice: "+choice);
 17
```

10. Run the code in the terminal. Enter 'node arrays.js'.

```
PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE                                        1: bas

+ prompt-sync@4.2.0
updated 1 package and audited 4 packages in 0.676s
found 3 moderate severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Cart[0] Details:
Enter Your Choice:pizza
Your choice: pizza
```

11. Write one infinite loop.
    Enter 'while(true){
            let dishName = prompt("Enter Dish Name:")
            let dish = {
                name: dishName,
                Price: menu[dishName]
            }
            cart.push(dish);
    }
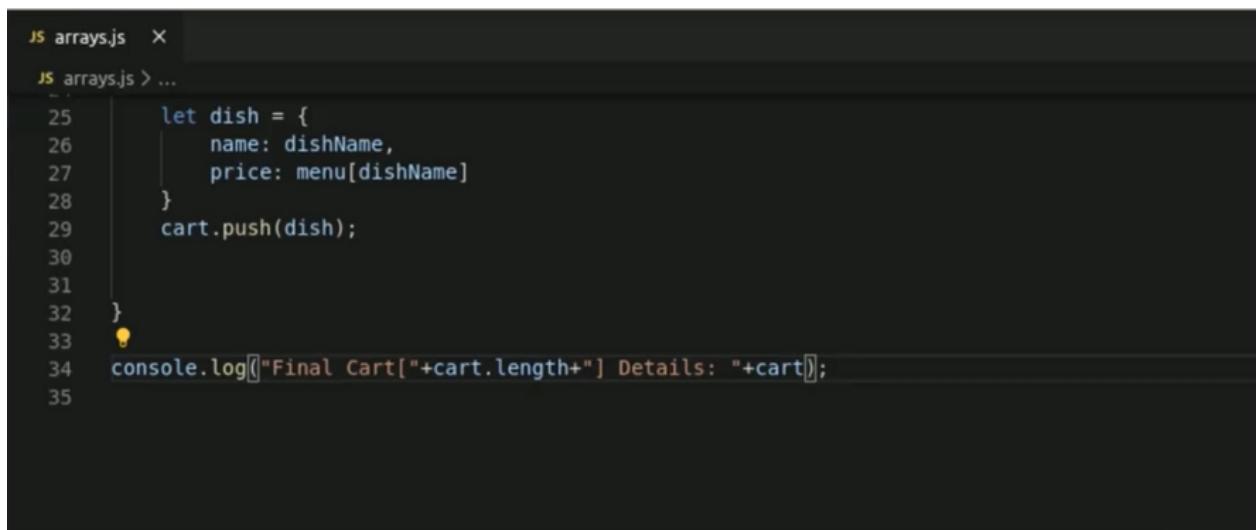
```
JS arrays.js  ●
JS arrays.js > [●] cart
  13    console.log("Cart["+cart.length+"] Details: "+cart);
  14
  15    // let choice = prompt("Enter Your Choice:")
  16    // console.log("Your choice: "+choice);
  17
  18    while(true){
  19        let dishName = prompt("Enter Dish Name:")
  20        let dish = {
  21            name: dishName,
  22            price: menu[dishName]
  23        }          I
  24        cart.push(dish);
  25    }
  26
```

12. Enter 'if(dishName == "quit"){

　　　　　break

　　　　　}
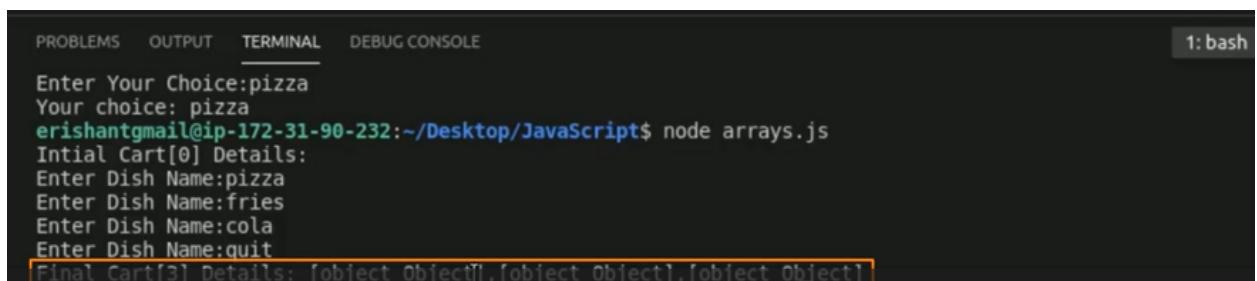
```
JS arrays.js  ●
JS arrays.js > ...
  14
  15    // let choice = prompt("Enter Your Choice:")
  16    // console.log("Your choice: "+choice);
  17
  18    while(true){
  19        let dishName = prompt("Enter Dish Name:")
  20
  21        if(dishName == "quit"){
  22            break
  23        }
  24
  25        let dish = {
  26            name: dishName,
  27            price: menu[dishName]
  28        }
  29        cart.push(dish);
```

13. Enter 'console.log("Final Cart["+cart.length+"] Details: "+cart);

```js
25        let dish = {
26            name: dishName,
27            price: menu[dishName]
28        }
29        cart.push(dish);
30
31
32    }
33
34    console.log("Final Cart["+cart.length+"] Details: "+cart);
35
```

14. Run the code in the terminal. Enter 'node arrays.js'.

```
PROBLEMS    OUTPUT    TERMINAL    DEBUG CONSOLE                                          1: bash

Enter Your Choice:pizza
Your choice: pizza
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Intial Cart[0] Details:
Enter Dish Name:pizza
Enter Dish Name:fries
Enter Dish Name:cola
Enter Dish Name:quit
Final Cart[3] Details: [object Object],[object Object],[object Object]
```

15. Enter 'for (let dish in cart){
        console.log(dish.name+" "+dish.price);'

```
JS arrays.js    X

JS arrays.js > ...
   25        let dish = {
   26            name: dishName,
   27            price: menu[dishName]
   28        }
   29        cart.push(dish);
   30
   31
   32    }
   33
   34    console.log("Final Cart["+cart.length+"] Details: "+cart);
   35    for(let dish in cart){
   36        console.log(dish.name+" "+dish.price);
   37    }
   38
```

16. Run the code in the terminal. Enter 'node arrays.js'.

```
PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE                                              1: node
found 3 moderate severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Cart[0] Details:
Enter Your Choice:pizza
Your choice: pizza
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Intial Cart[0] Details:
Enter Dish Name:pizza
Enter Dish Name:
```

17. Run the code again. Enter 'node arrays.js'.

```
PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE                                              1: bash
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node arrays.js
Intial Cart[0] Details:
Enter Dish Name:burger
Enter Dish Name:pizza
Enter Dish Name:quit
Final Cart[2] Details: [object Object],[object Object]
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

18. Enter for loop to iterate the cart.

```
JS arrays.js   ×
JS arrays.js > ...
25          let dish = {
26              name: dishName,
27              price: menu[dishName],
28          }
29
30          cart.push(dish);
31
32      }
33
34      console.log("Final Cart["+cart.length+"] Details: "+cart);
35
36      for(let dish of cart){
37          console.log(dish);
38      }
```

19. Run the code again. Enter 'node arrays.js'.

```
PROBLEMS    OUTPUT    TERMINAL    DEBUG CONSOLE                                              1: bash
Intial Cart[0] Details:
Enter Dish Name:pizza
Enter Dish Name:burger
Enter Dish Name:cola
Enter Dish Name:quit
Final Cart[3] Details: [object Object],[object Object],[object Object]
{ name: 'pizza', price: 300 }
{ name: 'burger', price: 100 }
{ name: 'cola', price: 80 }
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```