Lesson 05 Demo 01

Creating a Shopping Cart with a List of Products

Objective: To demonstrate how to create a shopping cart using JavaScript arrays, add dishes to the cart, and display the contents of the cart

Tools Required: Visual Studio Code and Node.js

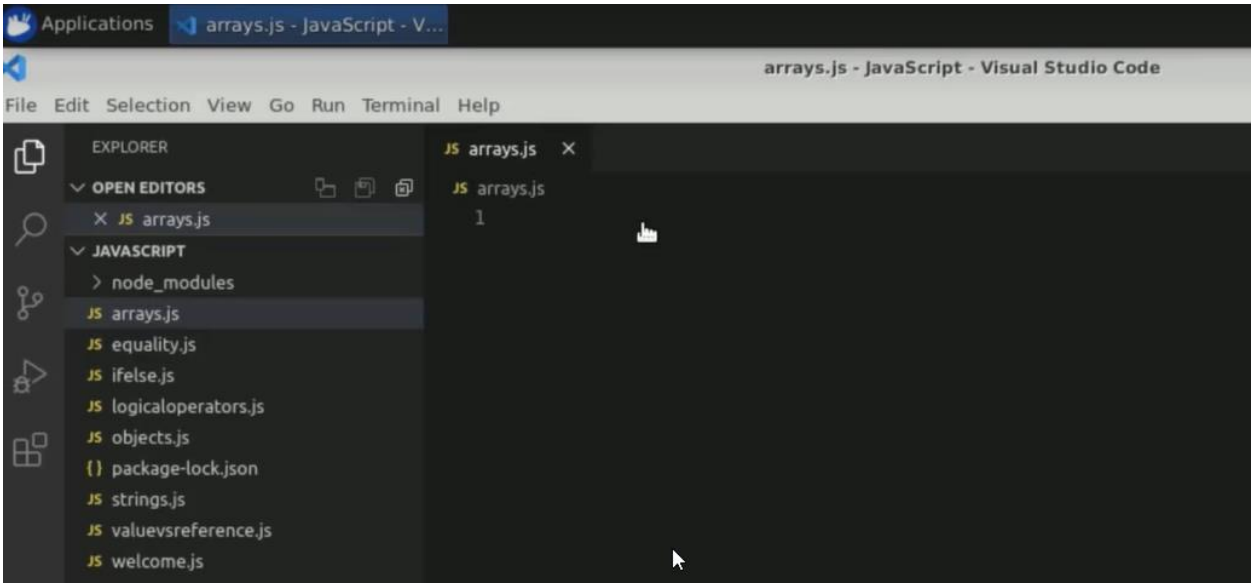
Prerequisites: None

Steps to be followed:

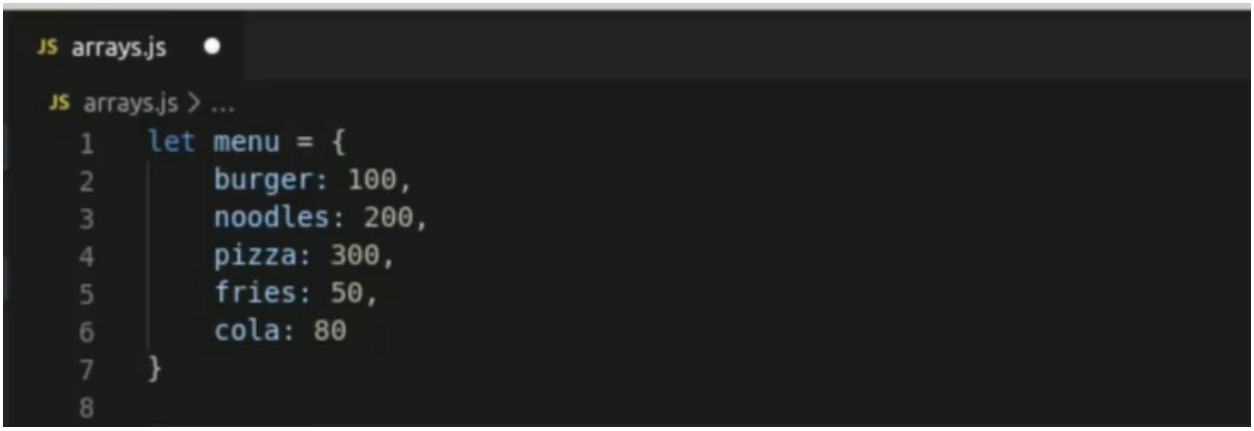
1. Create a menu and shopping cart
2. Implement logic to add dishes to the cart

Step 1: Create a menu and shopping cart

1.1 Open Visual Studio Code and create a new file named **arrays.js**

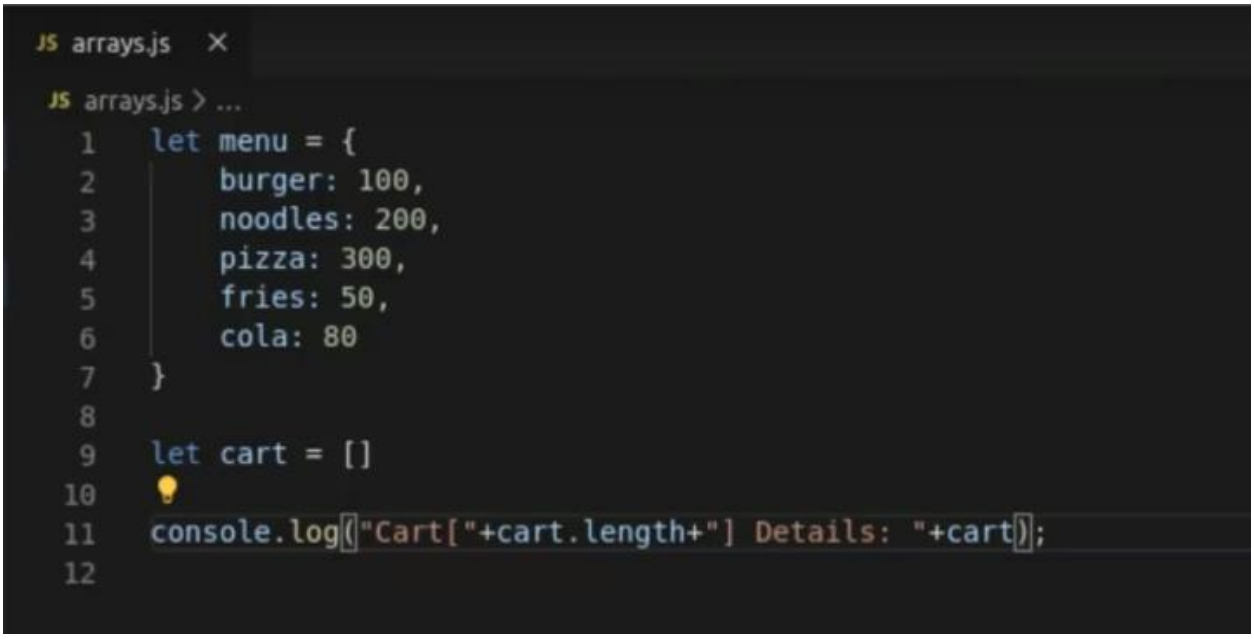


1.2 Create a **menu** object with dishes and their corresponding prices



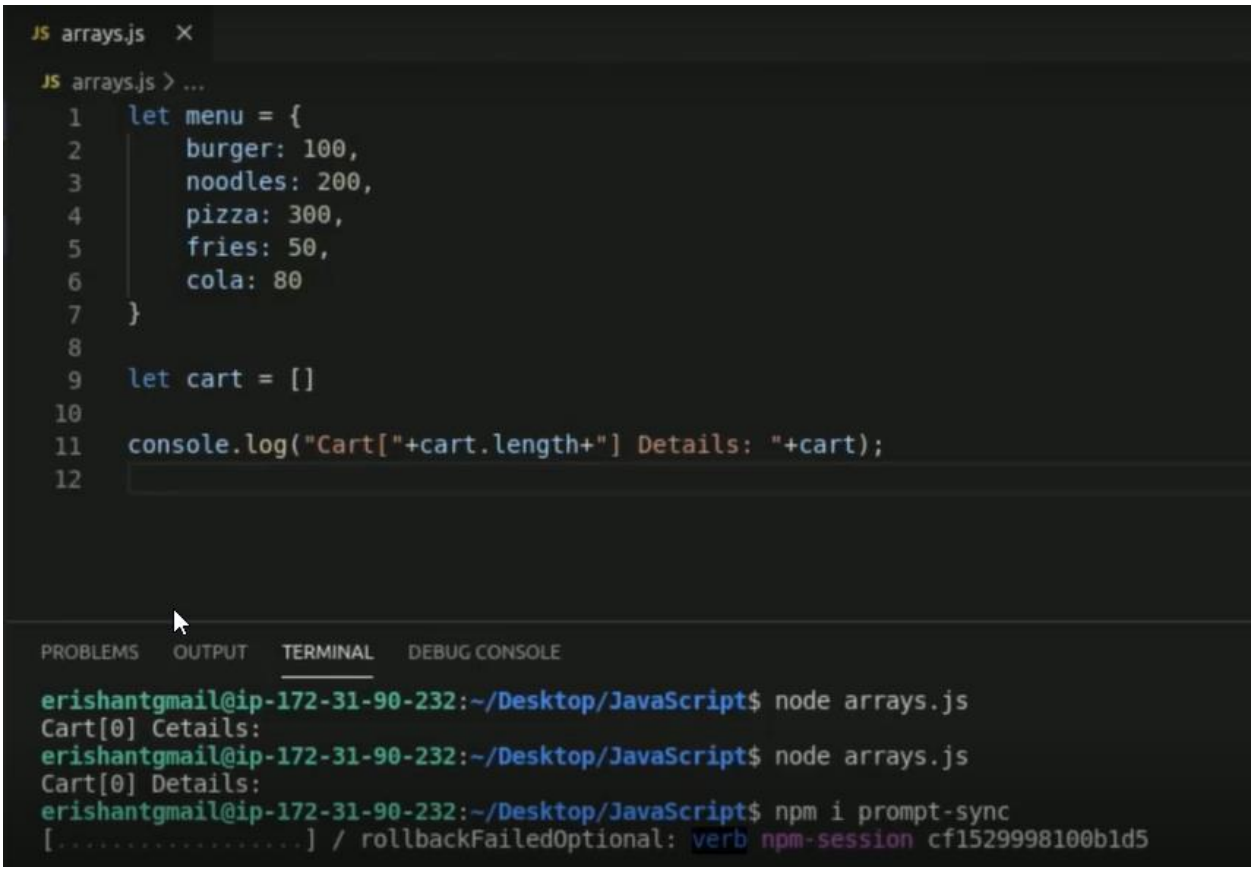
1.3 Declare an empty array called a **cart** to store the selected items

1.4 Log the details and length of the cart using **console.log()**

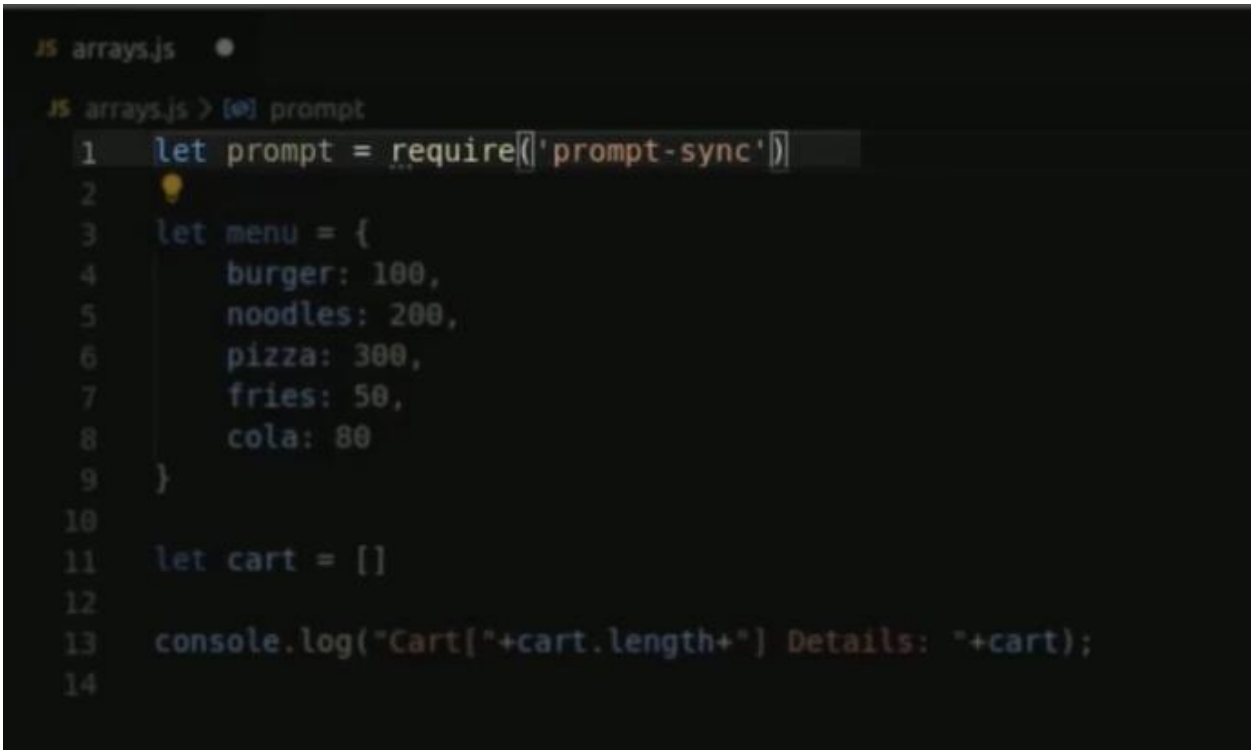


Step 2: Implement logic to add dishes to the cart

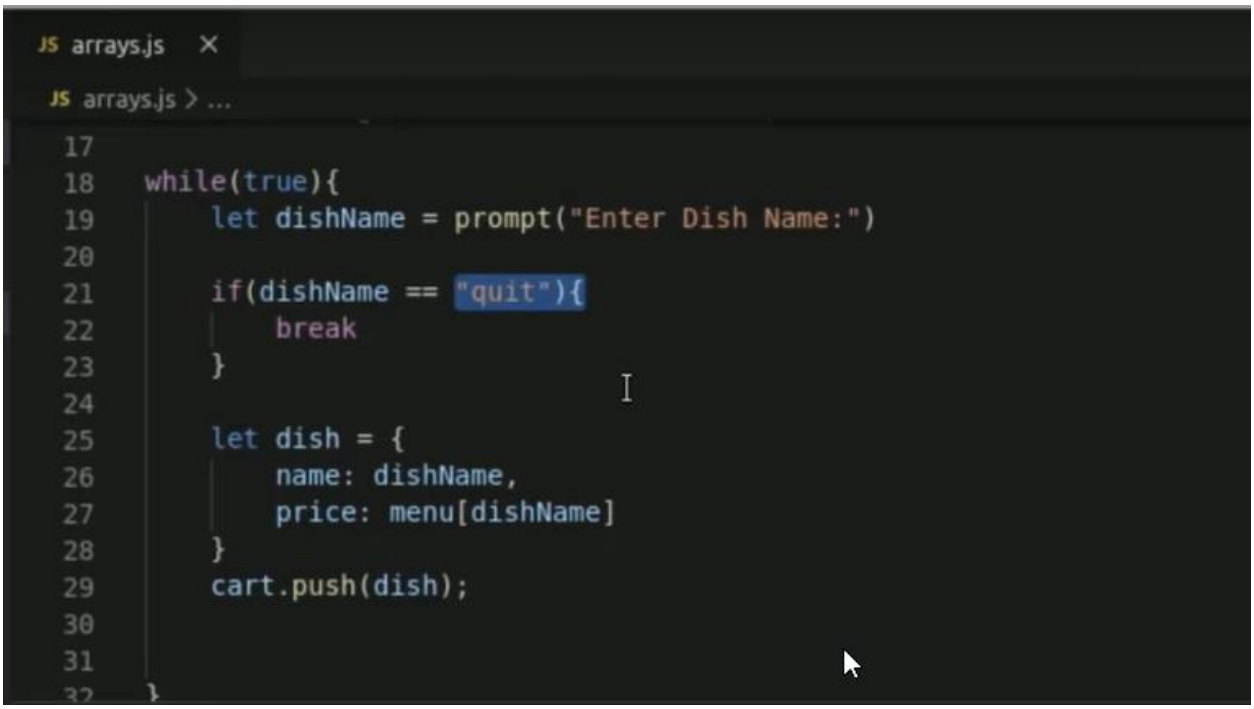
2.1 Open the terminal and execute the **npm i prompt-sync** command to install the **prompt-sync** module



2.2 Import the **prompt-sync** module into your JavaScript file using the **require** function. Assign the result of the **require** function to a variable, such as **prompt**

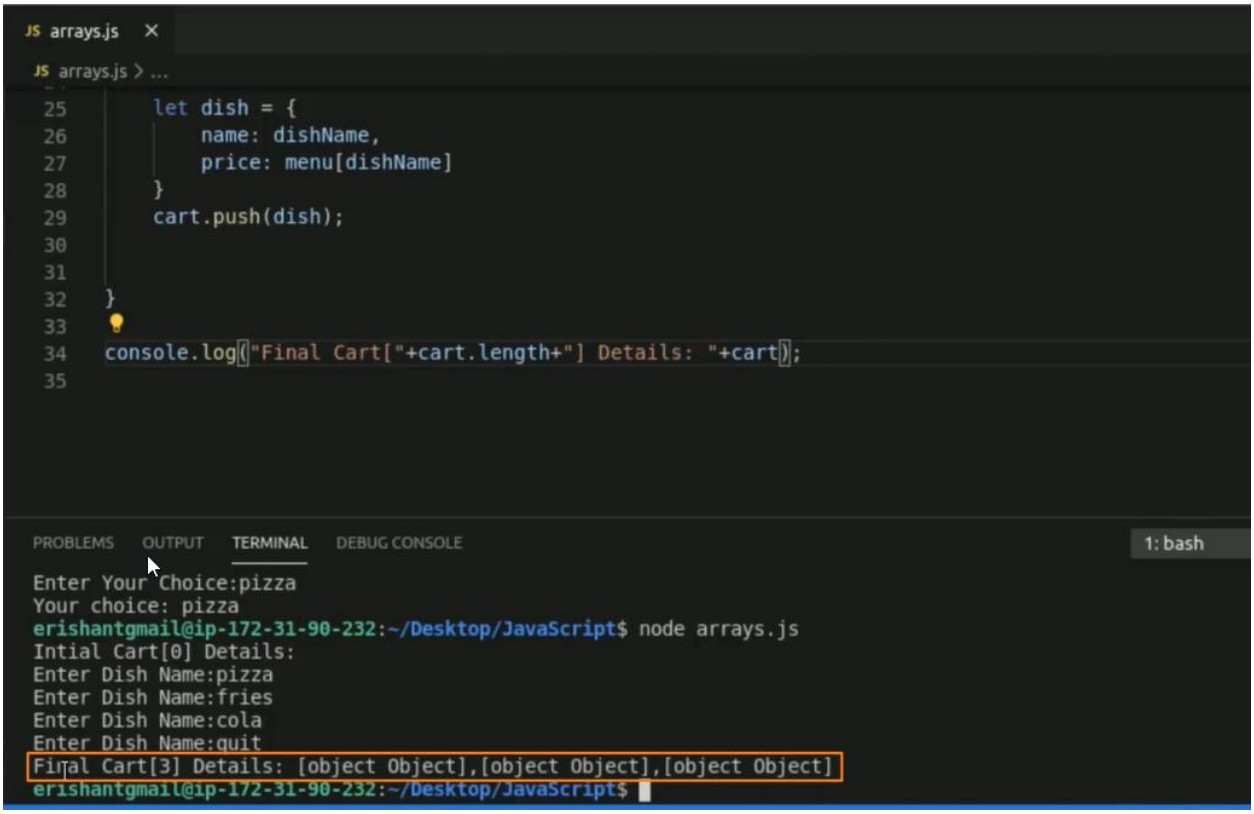


2.3 Use an infinite loop to continuously prompt the user for dish names. Create a dish object with the name and price retrieved from the menu. Add the dish object to the cart array using the **push()** method



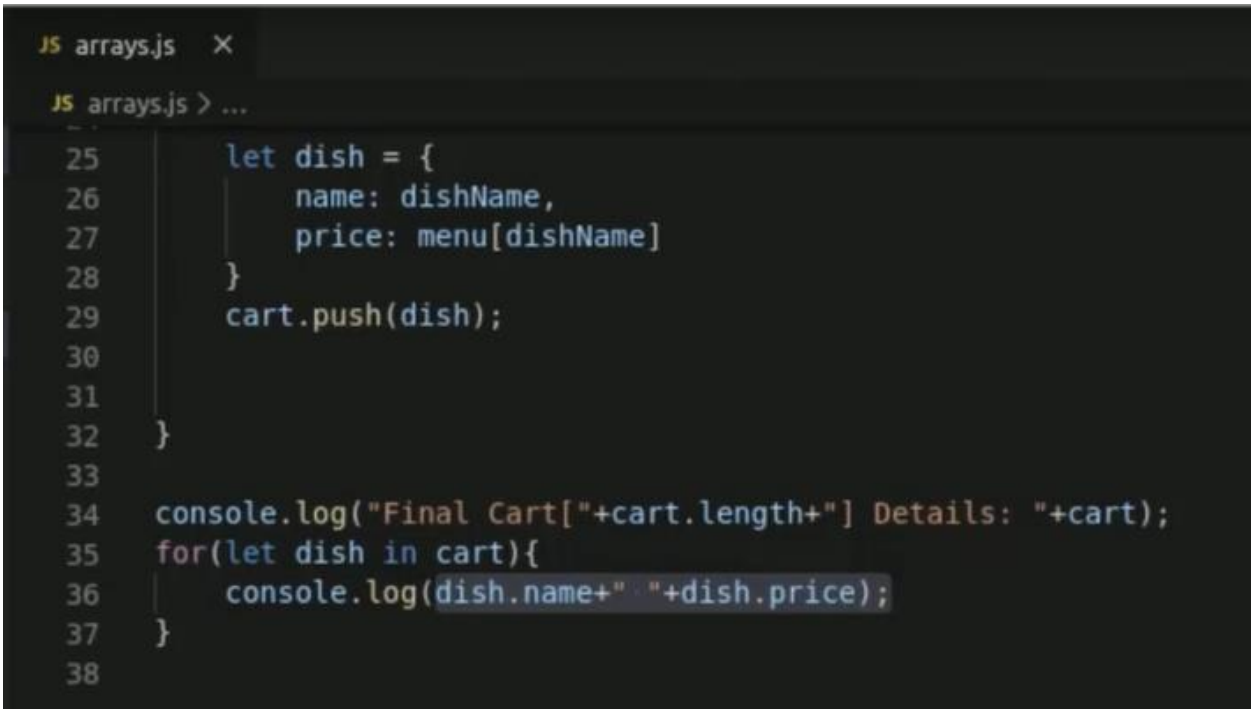
The dish object will be appended as a new element at the end of the array.

2.4 Run the program and add dishes to the cart from the console

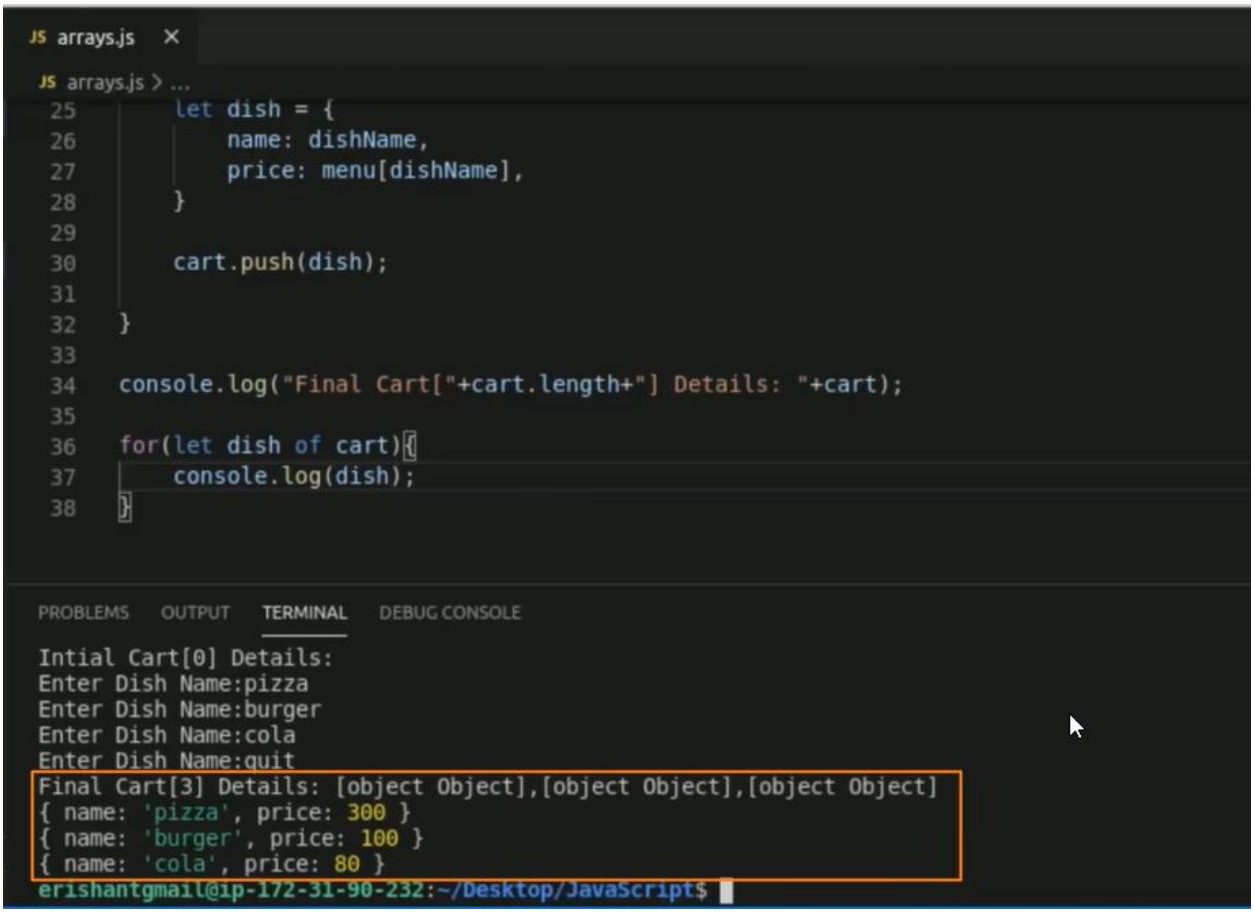


The user input on the console included three dishes: **pizza**, **fries**, and **cola**, which were successfully added to the cart.

2.5 Use a **for-in loop** to iterate through the **cart's** values. Log the name and price of each dish in the cart using **console.log()**



2.6 Rerun the program and observe that both the dish name and price are printed on the console



By following the above steps, you have successfully demonstrated how to create a shopping cart, add dishes to the cart, and display the contents using JavaScript arrays.