Lesson 01 Demo 05

Creating a Function to Sort the Dish List

Objective: To create a function to sort the dish list
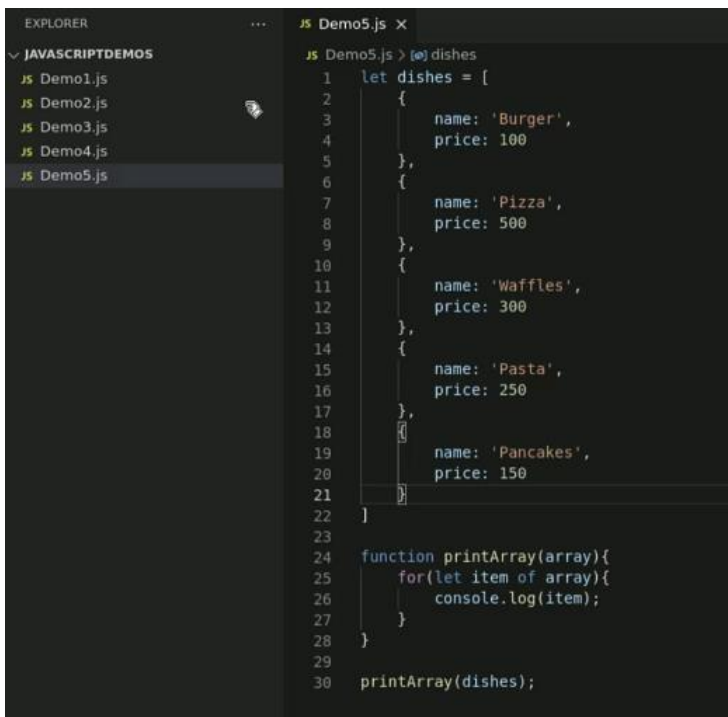
Tools required: Visual Studio Code

Prerequisites: HTML and CSS

Steps to be followed:
1. Create Demo5.js
2. Add a function to display the list in ascending order
3. Add a function to display the list in descending order

Step 1: Create Demo5.js
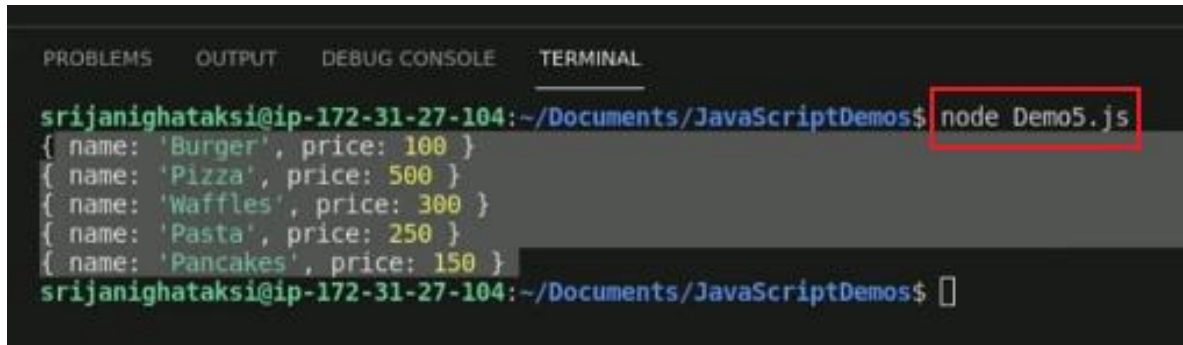
1.1 Create a **Demo5.js** file and add menu items in it

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

node Demo5.js

Step 2: Add a function to display the list in ascending order

2.1 Add function to display menu items in ascending order

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

node Demo5.js

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo5.js
{ name: 'Burger', price: 100 }
{ name: 'Pizza', price: 500 }
{ name: 'Waffles', price: 300 }
{ name: 'Pasta', price: 250 }
{ name: 'Pancakes', price: 150 }
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo5.js
{ name: 'Burger', price: 100 }
{ name: 'Pancakes', price: 150 }
{ name: 'Pasta', price: 250 }
{ name: 'Waffles', price: 300 }
{ name: 'Pizza', price: 500 }
srijanighataksi@ip-172-31-27-104:~Documents/JavaScriptDemos$
```

Step 3: Add a function to display the list in descending order

3.1 Add a function to display menu items in descending order

```
EXPLORER                        JS Demo5.js ×

∨ JAVASCRIPTDEMOS               JS Demo5.js > ⊕ sortOnPrices
  JS Demo1.js                   19              name: 'Pancakes',
  JS Demo2.js                   20              price: 150
  JS Demo3.js                   21          }
  JS Demo4.js                   22      ]
  JS Demo5.js                   23
                                24      function printArray(array){
                                25          for(let item of array){
                                26              console.log(item);
                                27          }
                                28      }
                                29
                                30      function sortOnPrices(dish1, dish2){
                                31          //return dish1.price - dish2.price;
                                32          return dish2.price - dish1.price;
                                33      }
                                34
                                35      dishes.sort(sortOnPrices);
```
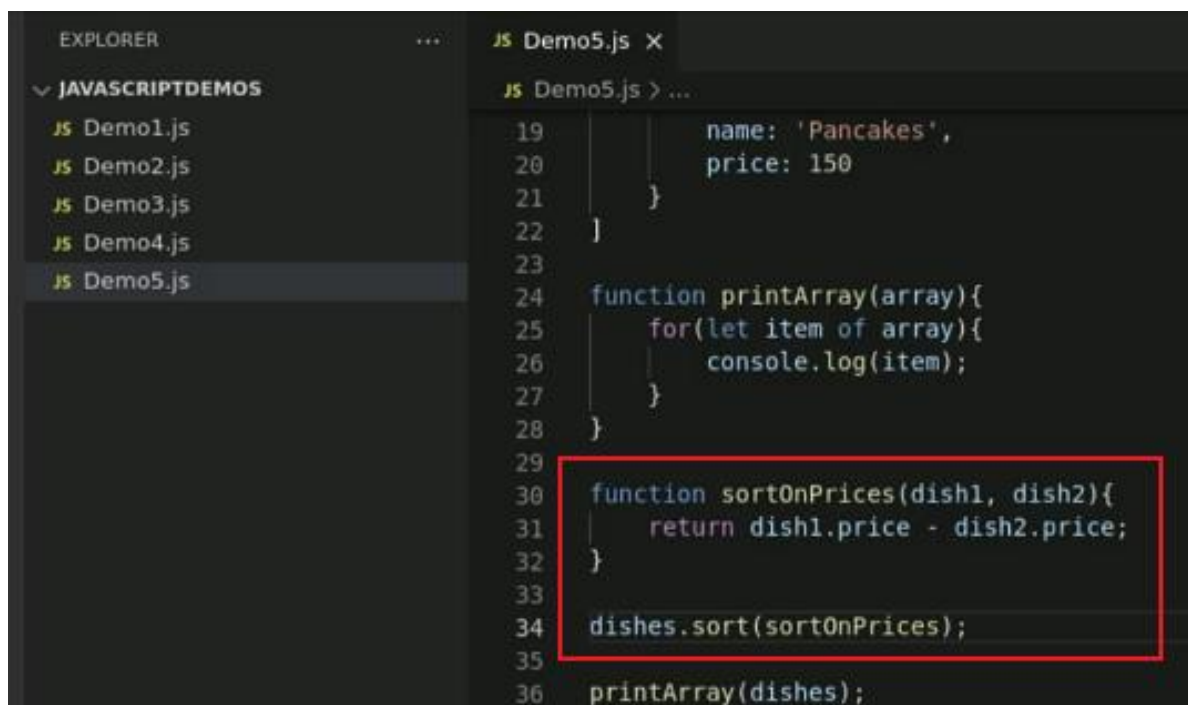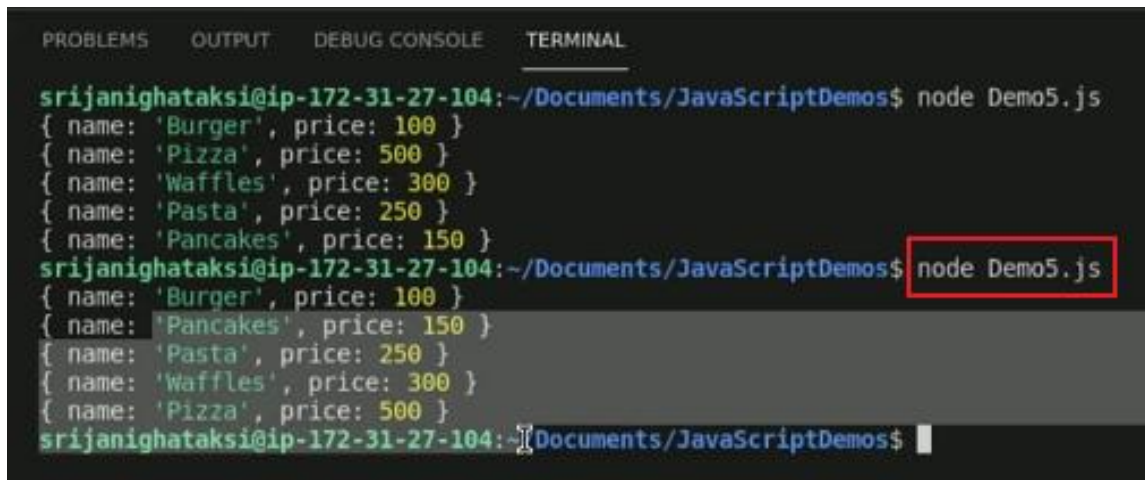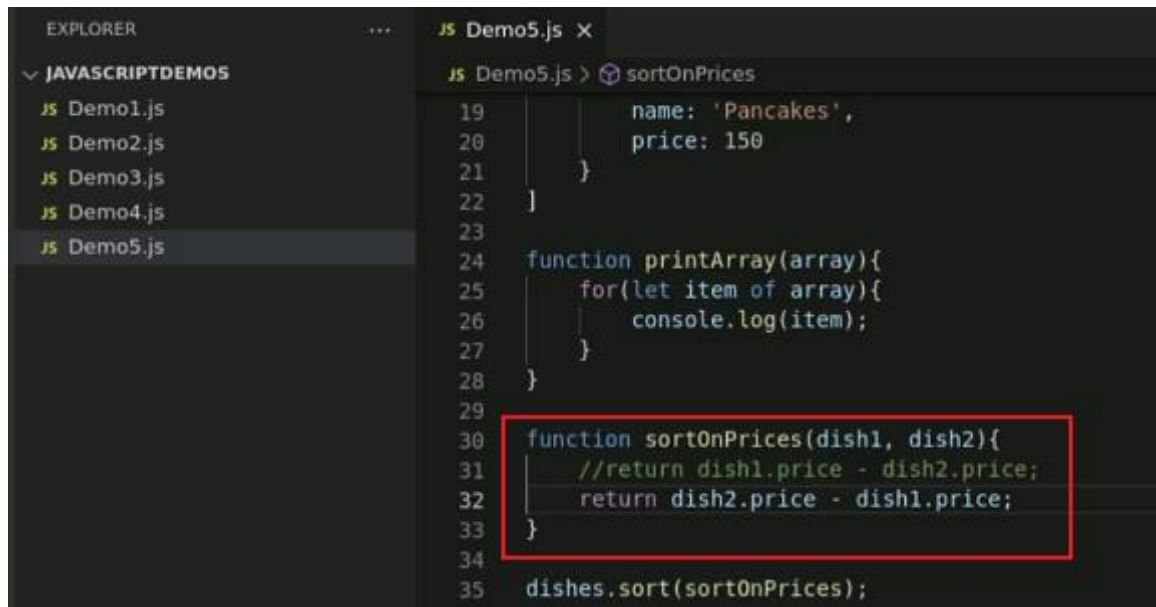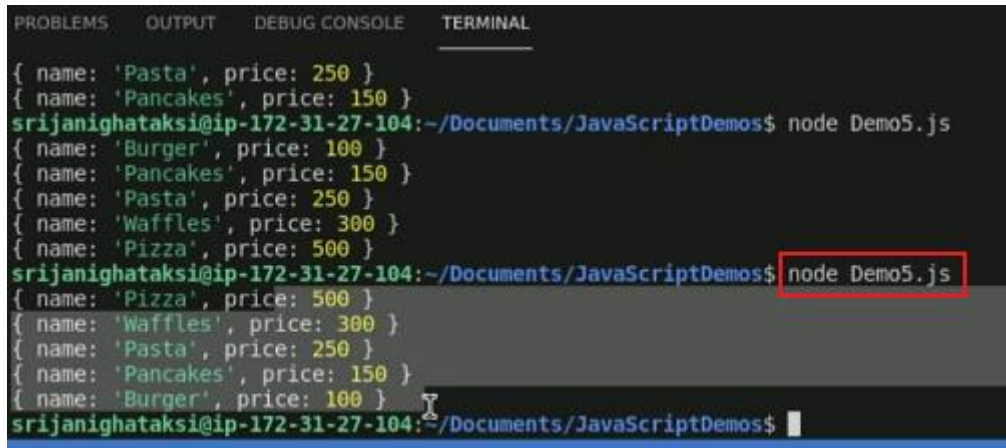
3.2 Open the **terminal** in this directory and use the following command to run the file:

node Demo5.js