

Lesson 01 Demo 02

Using if else in Applying Promo Codes

Objective: To use if else statements in JavaScript programming

Tools required: Visual Studio Code

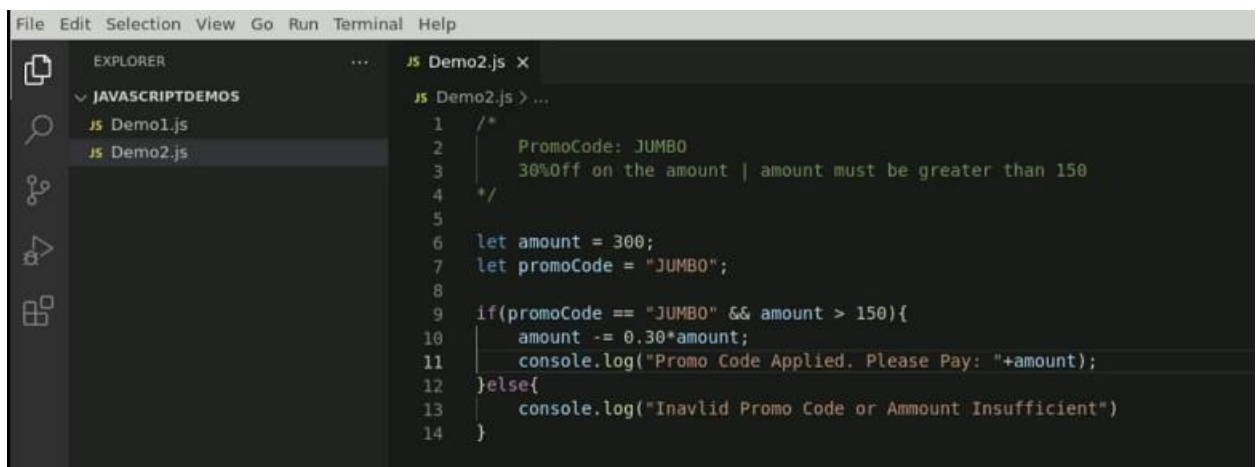
Prerequisites: HTML and CSS

Steps to be followed:

1. Create Demo2.js using if else statements
2. Add second scenario using else if statement

Step 1: Create Demo2.js using if else statements

1.1 Create Demo2.js file



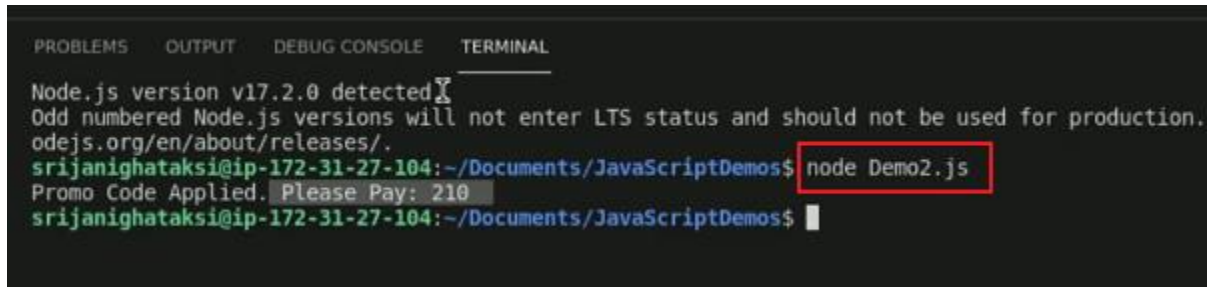
```
File Edit Selection View Go Run Terminal Help

EXPLORER
  ▾ JAVASCRIPTDEMOS
    JS Demo1.js
    JS Demo2.js

JS Demo2.js x
JS Demo2.js > ...
1  /*
2  |   PromoCode: JUMBO
3  |   30%Off on the amount | amount must be greater than 150
4  | */
5
6  let amount = 300;
7  let promoCode = "JUMBO";
8
9  if(promoCode == "JUMBO" && amount > 150){
10 |   amount -= 0.30*amount;
11 |   console.log("Promo Code Applied. Please Pay: "+amount);
12 | }else{
13 |   console.log("Invalid Promo Code or Amount Insufficient")
14 | }
```

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

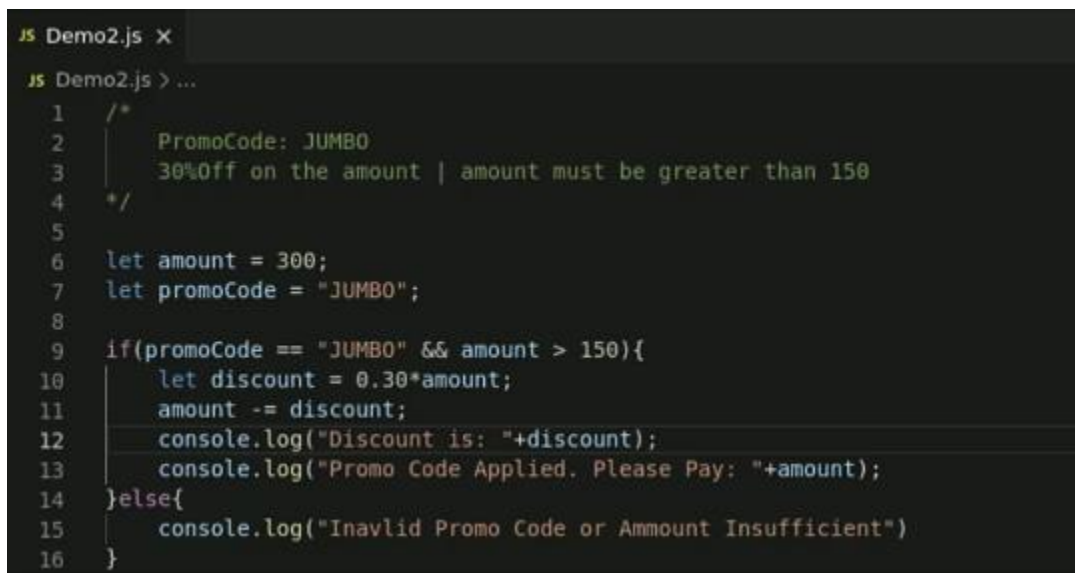
node Demo2.js



```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
Node.js version v17.2.0 detected
Odd numbered Node.js versions will not enter LTS status and should not be used for production.
odejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Promo Code Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$
  
```

1.3 Add **discount** variable

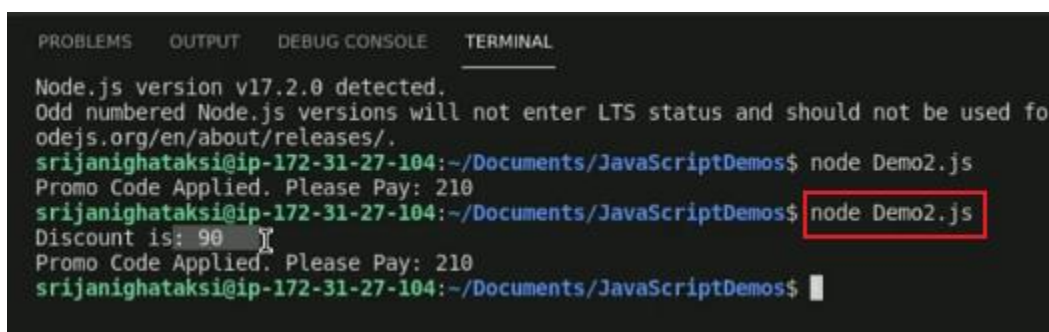


```

JS Demo2.js X
JS Demo2.js > ...
1  /*
2  |   PromoCode: JUMBO
3  |   30%Off on the amount | amount must be greater than 150
4  */
5
6  let amount = 300;
7  let promoCode = "JUMBO";
8
9  if(promoCode == "JUMBO" && amount > 150){
10 |   let discount = 0.30*amount;
11 |   amount -= discount;
12 |   console.log("Discount is: "+discount);
13 |   console.log("Promo Code Applied. Please Pay: "+amount);
14 | }else{
15 |   console.log("Inavlid Promo Code or Ammount Insufficient")
16 | }
  
```

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

node Demo2.js



```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for
odejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Promo Code Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 90
Promo Code Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$
  
```

Step 2: Add second scenario using else if statement

2.1 Add second scenario in Demo2.js file

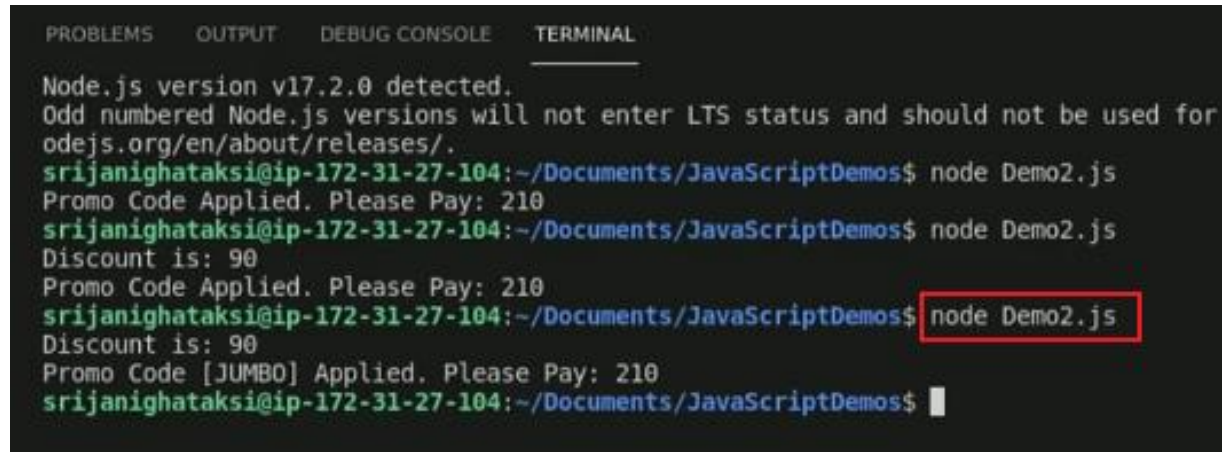
```
JS Demo2.js X
JS Demo2.js > ...
1  /*
2     PromoCode: JUMBO
3     30%Off on the amount | amount must be greater than 150
4
5     PromoCode: BINGO
6     50% Off on amount greater than 300 but upto 200
7  */
8
```

2.2 Add the code for the second scenario

```
JS Demo2.js X
JS Demo2.js > ...
9  let amount = 200;
10 let promoCode = "JUMBO";
11
12 if(promoCode == "JUMBO" && amount > 150){
13     let discount = 0.30*amount;
14     amount -= discount;
15     console.log("Discount is: "+discount);
16     console.log("Promo Code [JUMBO] Applied. Please Pay: "+amount);
17 }else if(promoCode == "BINGO" && amount > 300){
18     let discount = 0.50*amount;
19     amount -= discount;
20     console.log("Discount is: "+discount);
21     console.log("Promo Code [BINGO] Applied. Please Pay: "+amount);
22 }else{
23     console.log("Invalid Promo Code or Amount Insufficient")
24 }
```

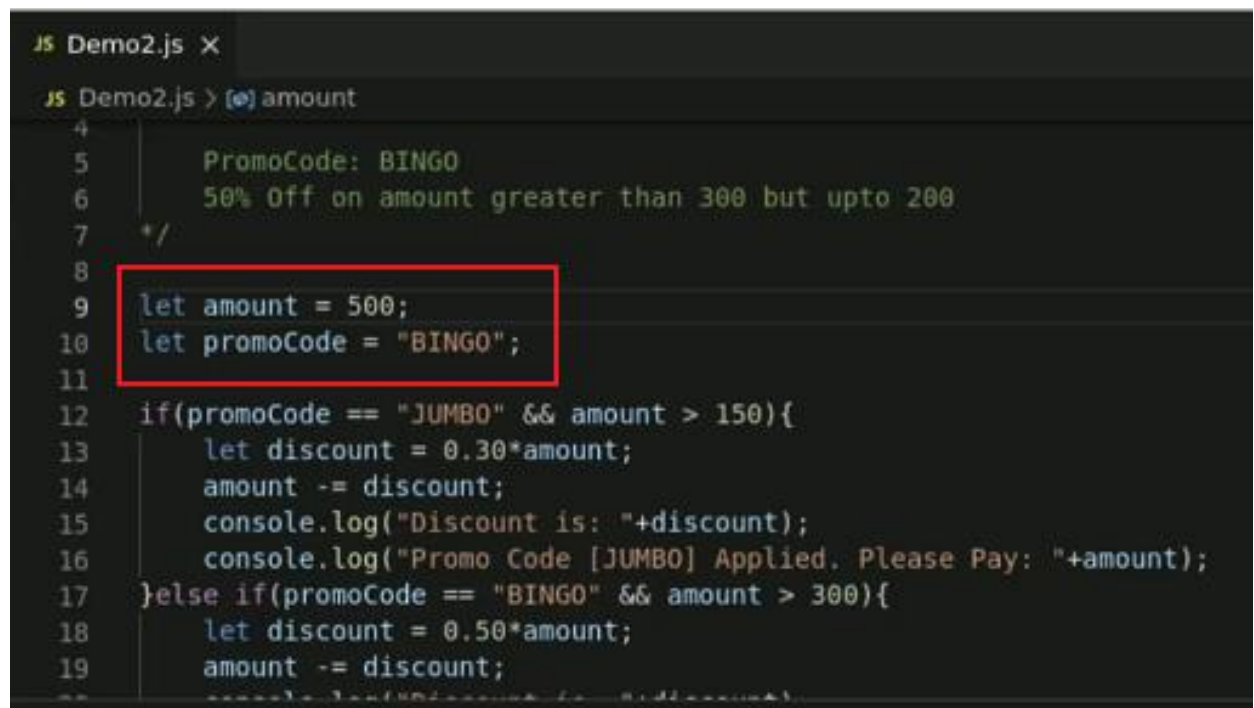
2.3 Open the **terminal** in this directory and use the following command to run the file:

node Demo2.js



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for
odejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Promo Code Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 90
Promo Code Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 90
Promo Code [JUMBO] Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$
```

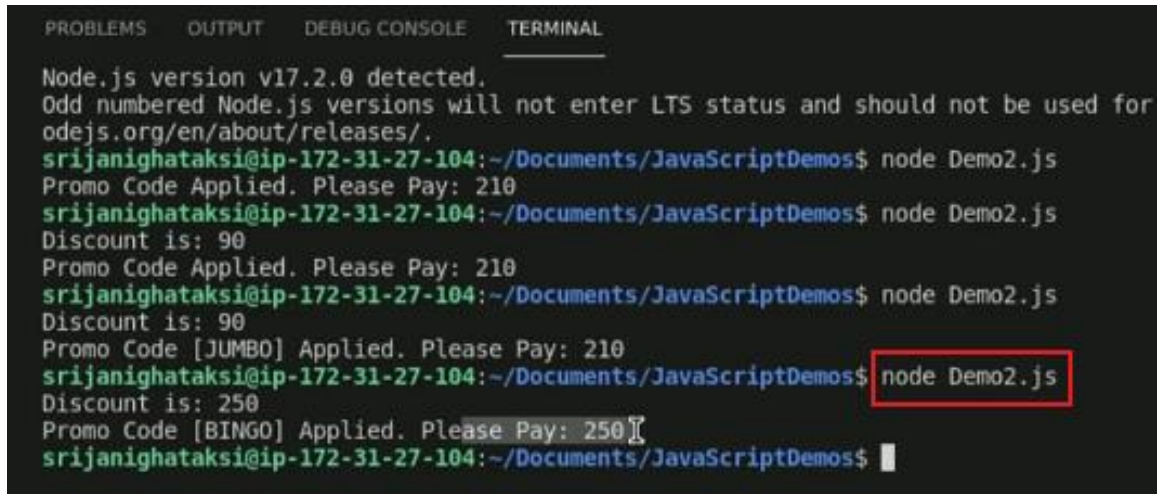
2.4 Change the **amount** to **500** and the **promocode** to **BINGO**



```
JS Demo2.js X
JS Demo2.js > amount
4
5     PromoCode: BINGO
6     50% Off on amount greater than 300 but upto 200
7     */
8
9     let amount = 500;
10    let promoCode = "BINGO";
11
12    if(promoCode == "JUMBO" && amount > 150){
13        let discount = 0.30*amount;
14        amount -= discount;
15        console.log("Discount is: "+discount);
16        console.log("Promo Code [JUMBO] Applied. Please Pay: "+amount);
17    }else if(promoCode == "BINGO" && amount > 300){
18        let discount = 0.50*amount;
19        amount -= discount;
```

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

node Demo2.js

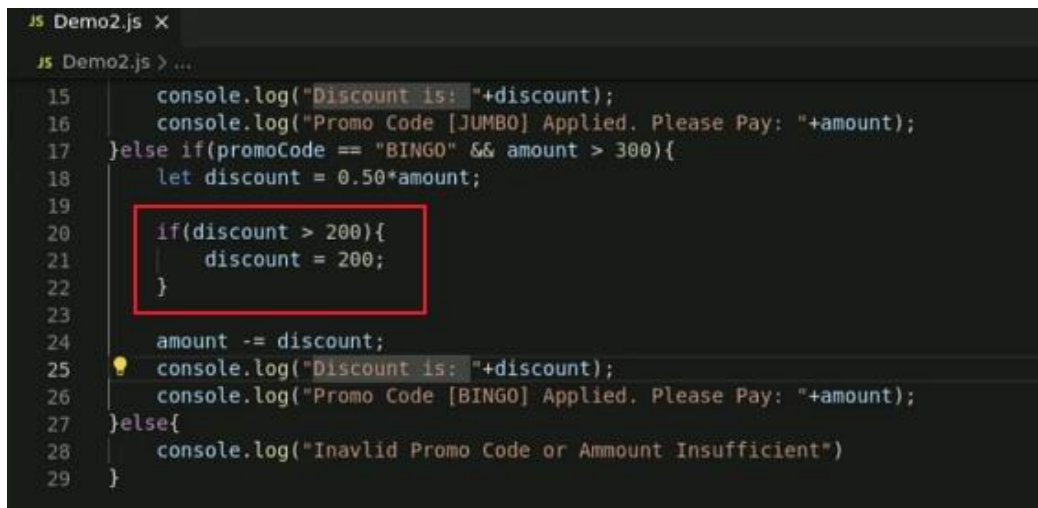


```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for
odejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Promo Code Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 90
Promo Code Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 90
Promo Code [JUMBO] Applied. Please Pay: 210
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 250
Promo Code [BINGO] Applied. Please Pay: 250
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$

```

2.6 Since it is not giving correct result, add another if statement inside the else if condition



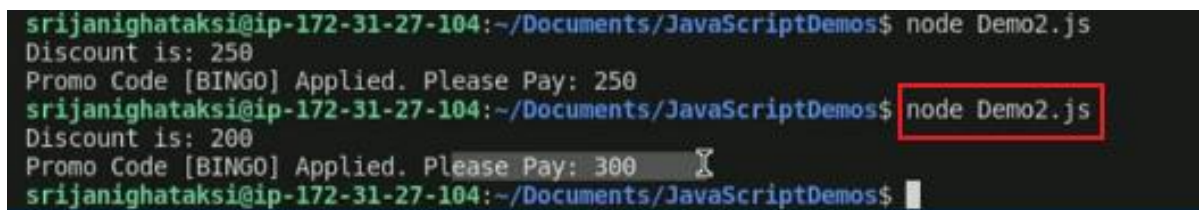
```

JS Demo2.js X
JS Demo2.js > ...
15 console.log("Discount is: "+discount);
16 console.log("Promo Code [JUMBO] Applied. Please Pay: "+amount);
17 }else if(promoCode == "BINGO" && amount > 300){
18   let discount = 0.50*amount;
19
20   if(discount > 200){
21     discount = 200;
22   }
23
24   amount -= discount;
25   console.log("Discount is: "+discount);
26   console.log("Promo Code [BINGO] Applied. Please Pay: "+amount);
27 }else{
28   console.log("Invalid Promo Code or Ammount Insufficient")
29 }

```

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

node Demo2.js



```

srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 250
Promo Code [BINGO] Applied. Please Pay: 250
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$ node Demo2.js
Discount is: 200
Promo Code [BINGO] Applied. Please Pay: 300
srijanighataksi@ip-172-31-27-104:~/Documents/JavaScriptDemos$

```