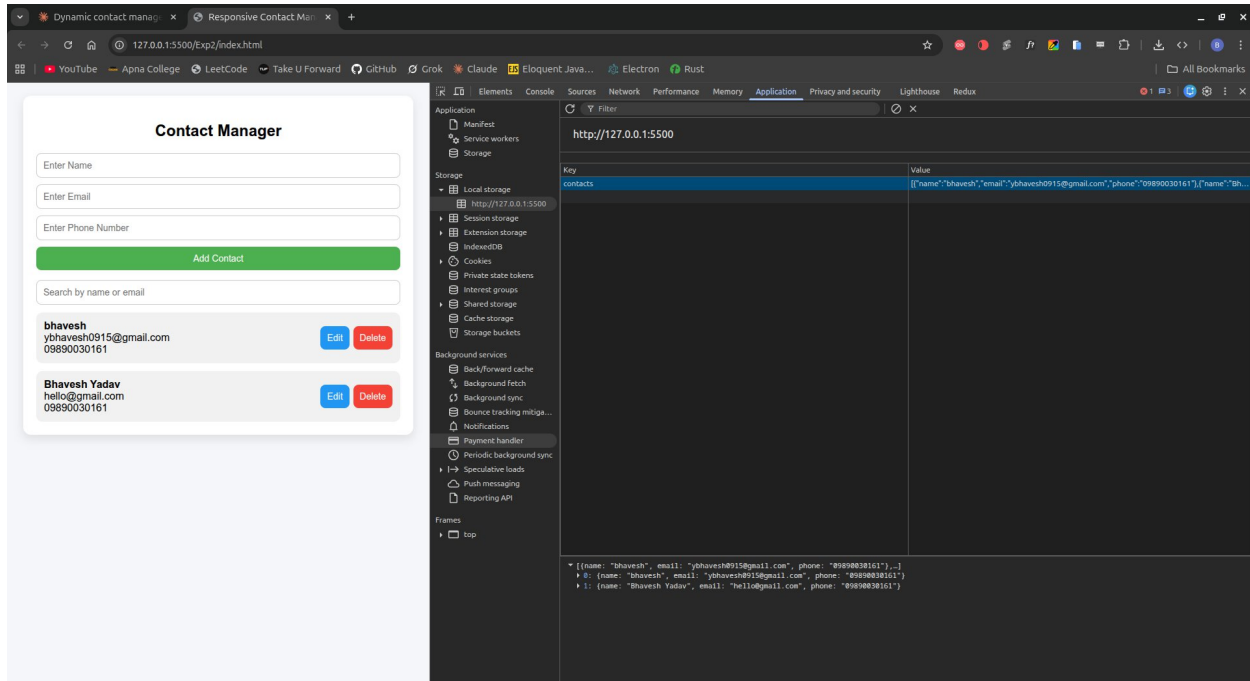


Name: Bhavesh Yadav

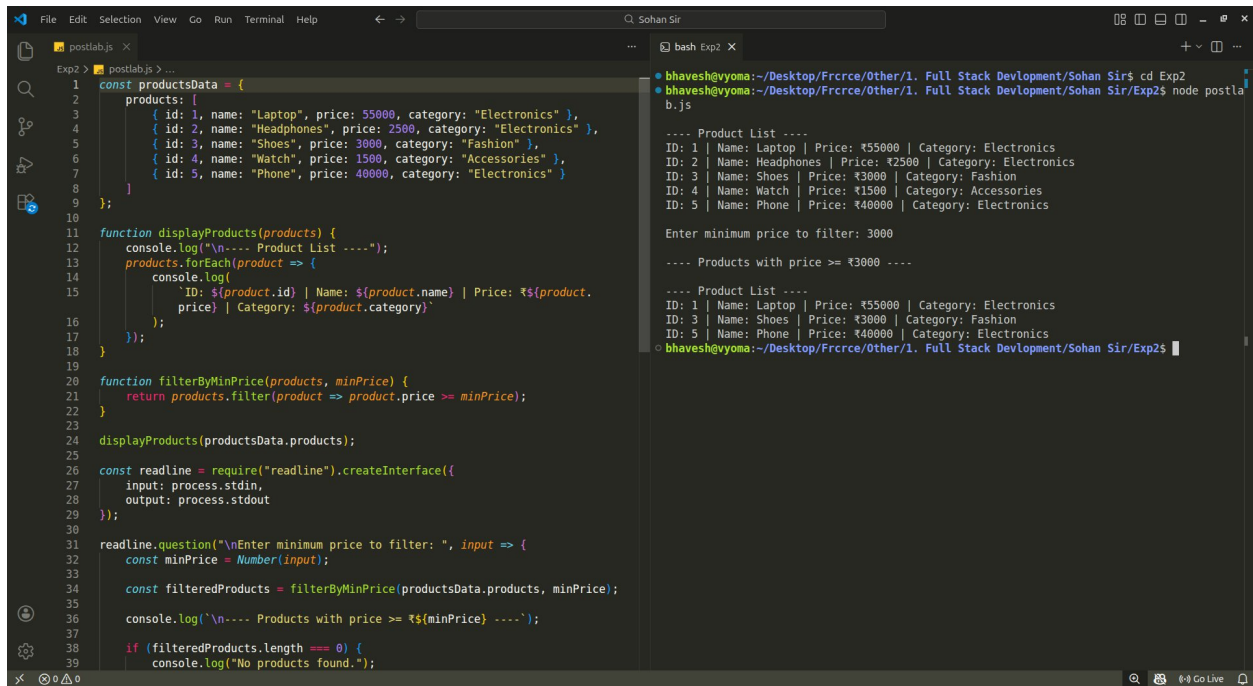
Roll No: 10641

Q1. Create a dynamic form that allows users to add multiple entries of their contact information (name, email, phone number) and display all the entered information on the page in real-time. The form should have the following



Postlab:

Q1. Create a JavaScript program that reads a list of products from a JSON object and displays the product details in the console. Additionally, implement a function to filter the products based on a minimum price value provided by the user and display the filtered results.



```
1 const productsData = {
2   products: [
3     { id: 1, name: "Laptop", price: 55000, category: "Electronics" },
4     { id: 2, name: "Headphones", price: 2500, category: "Electronics" },
5     { id: 3, name: "Shoes", price: 3000, category: "Fashion" },
6     { id: 4, name: "Watch", price: 1500, category: "Accessories" },
7     { id: 5, name: "Phone", price: 40000, category: "Electronics" }
8   ]
9 };
10
11 function displayProducts(products) {
12   console.log("\n---- Product List ----");
13   products.forEach(product => {
14     console.log(
15       `ID: ${product.id} | Name: ${product.name} | Price: ₹${product.
16         price} | Category: ${product.category}`
17     );
18   });
19 }
20
21 function filterByMinPrice(products, minPrice) {
22   return products.filter(product => product.price >= minPrice);
23 }
24
25 displayProducts(productsData.products);
26
27 const readline = require("readline").createInterface({
28   input: process.stdin,
29   output: process.stdout
30 });
31
32 readline.question("\nEnter minimum price to filter: ", input => {
33   const minPrice = Number(input);
34
35   const filteredProducts = filterByMinPrice(productsData.products, minPrice);
36
37   console.log(`\n---- Products with price >= ₹${minPrice} ----`);
38
39   if (filteredProducts.length === 0) {
40     console.log("No products found.");
41   }
42 });
```

```
bhavesh@vyoma:~/Desktop/Frcrce/Other/1. Full Stack Development/Sohan Sir$ cd Exp2
bhavesh@vyoma:~/Desktop/Frcrce/Other/1. Full Stack Development/Sohan Sir/Exp2$ node postlab.js

---- Product List ----
ID: 1 | Name: Laptop | Price: ₹55000 | Category: Electronics
ID: 2 | Name: Headphones | Price: ₹2500 | Category: Electronics
ID: 3 | Name: Shoes | Price: ₹3000 | Category: Fashion
ID: 4 | Name: Watch | Price: ₹1500 | Category: Accessories
ID: 5 | Name: Phone | Price: ₹40000 | Category: Electronics

Enter minimum price to filter: 3000

---- Products with price >= ₹3000 ----

---- Product List ----
ID: 1 | Name: Laptop | Price: ₹55000 | Category: Electronics
ID: 3 | Name: Shoes | Price: ₹3000 | Category: Fashion
ID: 5 | Name: Phone | Price: ₹40000 | Category: Electronics
bhavesh@vyoma:~/Desktop/Frcrce/Other/1. Full Stack Development/Sohan Sir/Exp2$
```