

Program 1(a):

The image displays two screenshots of a web browser window titled "Leap Year Calculator". The browser's address bar shows the URL: `http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab/Lab%20Cycle%202/Lab%201a.html`.

Top Screenshot: The input field "Enter a year:" contains the value "2020". Below the input field is a green "SUBMIT" button. The output area displays a message in a black-bordered box: "2020 is a Leap Year".

Bottom Screenshot: The input field "Enter a year:" contains the value "2023". Below the input field is a green "SUBMIT" button. The output area displays a message in a black-bordered box: "2023 is not a Leap Year".

Program 1(b):

The image shows two screenshots of a web browser window titled "Largest Among Three Numbers". The browser address bar shows the URL: `http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab/Lab%20Cycle%202/Lab%201b.html`.

First Screenshot:

Enter number 1:

Enter number 2:

Enter number 3:

Largest Number Among 23, 53, 36 = 53

Second Screenshot:

Enter number 1:

Enter number 2:

Enter number 3:

Largest Number Among 48, 16, 25 = 48

Program 1(c):

Simple Calculator

Enter 1st Operand: 21

Enter Operator: +

Enter 2nd Operand: 56

SUBMIT

The Expression: 21 + 56 = 77

Simple Calculator

Enter 1st Operand: 9

Enter Operator: **

Enter 2nd Operand: 3

SUBMIT

The Expression: 9 ** 3 = 729

Program 2(a):

The image displays two screenshots of a web browser window titled "Sum Of Digits of a Number". The browser's address bar shows the URL: `http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab/Lab%20Cycle%202/Lab%202a.html`. The web page has a light blue background and contains the following elements:

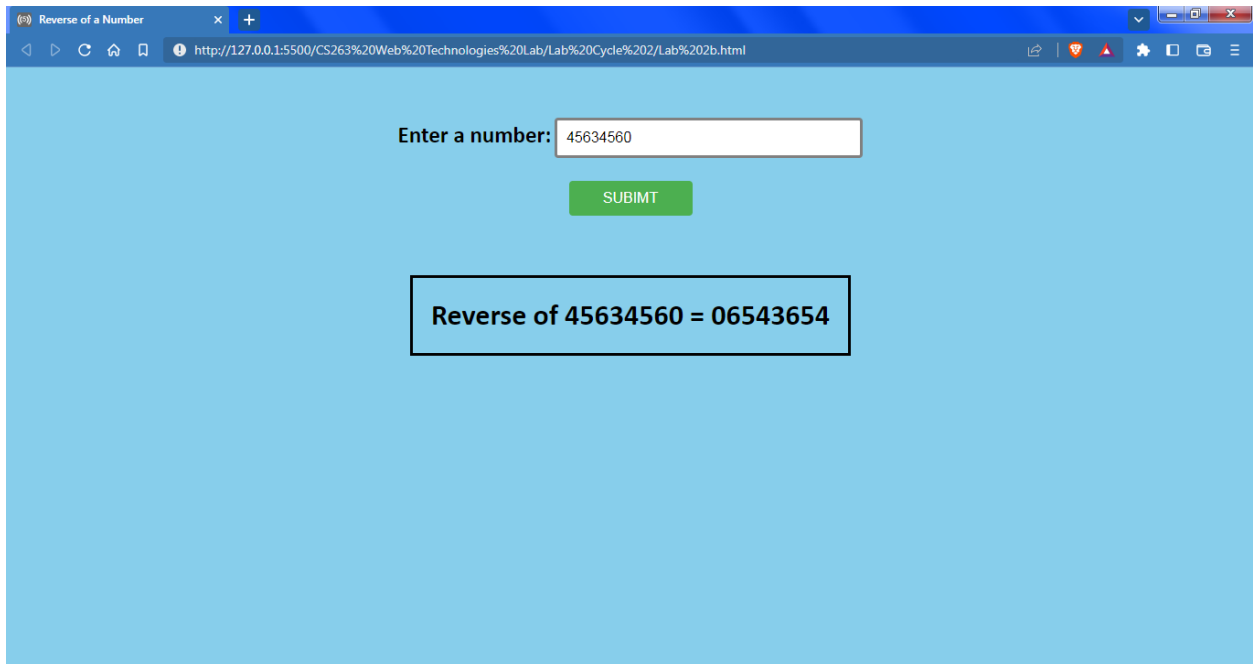
First Screenshot:

- Input field: "Enter a number:" followed by a text box containing "235343".
- Button: A green "SUBMIT" button.
- Output: A black-bordered box containing the text "Sum of Digits of 235343 = 20".

Second Screenshot:

- Input field: "Enter a number:" followed by a text box containing "-5535430".
- Button: A green "SUBMIT" button.
- Output: A black-bordered box containing the text "Sum of Digits of -5535430 = 25".

Program 2(b):



Reverse of a Number

Enter a number:

Reverse of 45634560 = 06543654

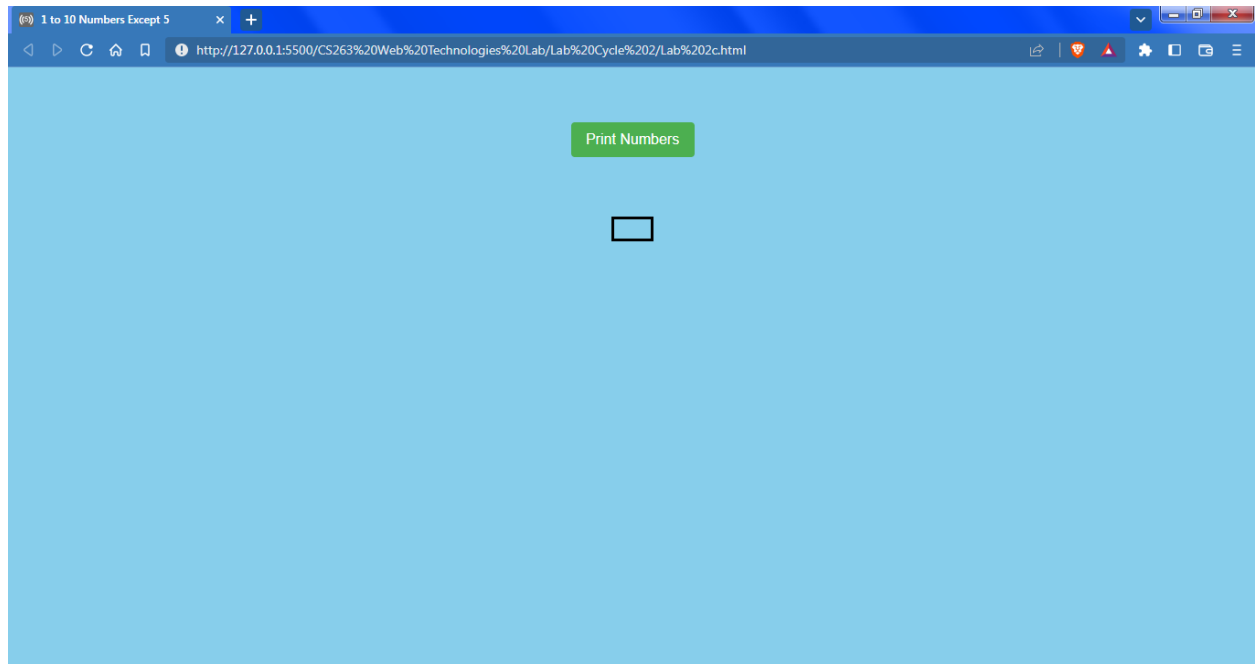


Reverse of a Number

Enter a number:

Reverse of -4163534130 = 0314353614

Program 2(c):



The image displays three sequential screenshots of a web application interface, each with a light blue background and a black border. The browser's address bar shows the URL: `http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab/Lab%20Cycle%202/Lab%203a.html`.

First Screenshot: GCD
The heading is **GCD:**. Below it, there are two input fields. The first is labeled "Enter number 1:" and contains the value "536". The second is labeled "Enter number 2:" and contains the value "464". A green "SUBMIT" button is positioned below the input fields. At the bottom, a large black-bordered box displays the result: **GCD of 536 and 464 = 8**.

Second Screenshot: Reverse Number
The heading is **Reverse Number:**. Below it, there is a single input field labeled "Enter the number:" containing the value "4534534". A green "SUBMIT" button is positioned below the input field. At the bottom, a large black-bordered box displays the result: **Reverse of 4534534 = 4354354**.

Third Screenshot: Random Number
The heading is **Random Number:**. Below it, there is a label "Enter the range(max exclusive):" followed by two input fields. The first input field contains "20" and the second contains "50", with the word "to" placed between them. A green "SUBMIT" button is positioned below the input fields. At the bottom, a large black-bordered box displays the result: **A Random Number in the range (20, 50): 35**.

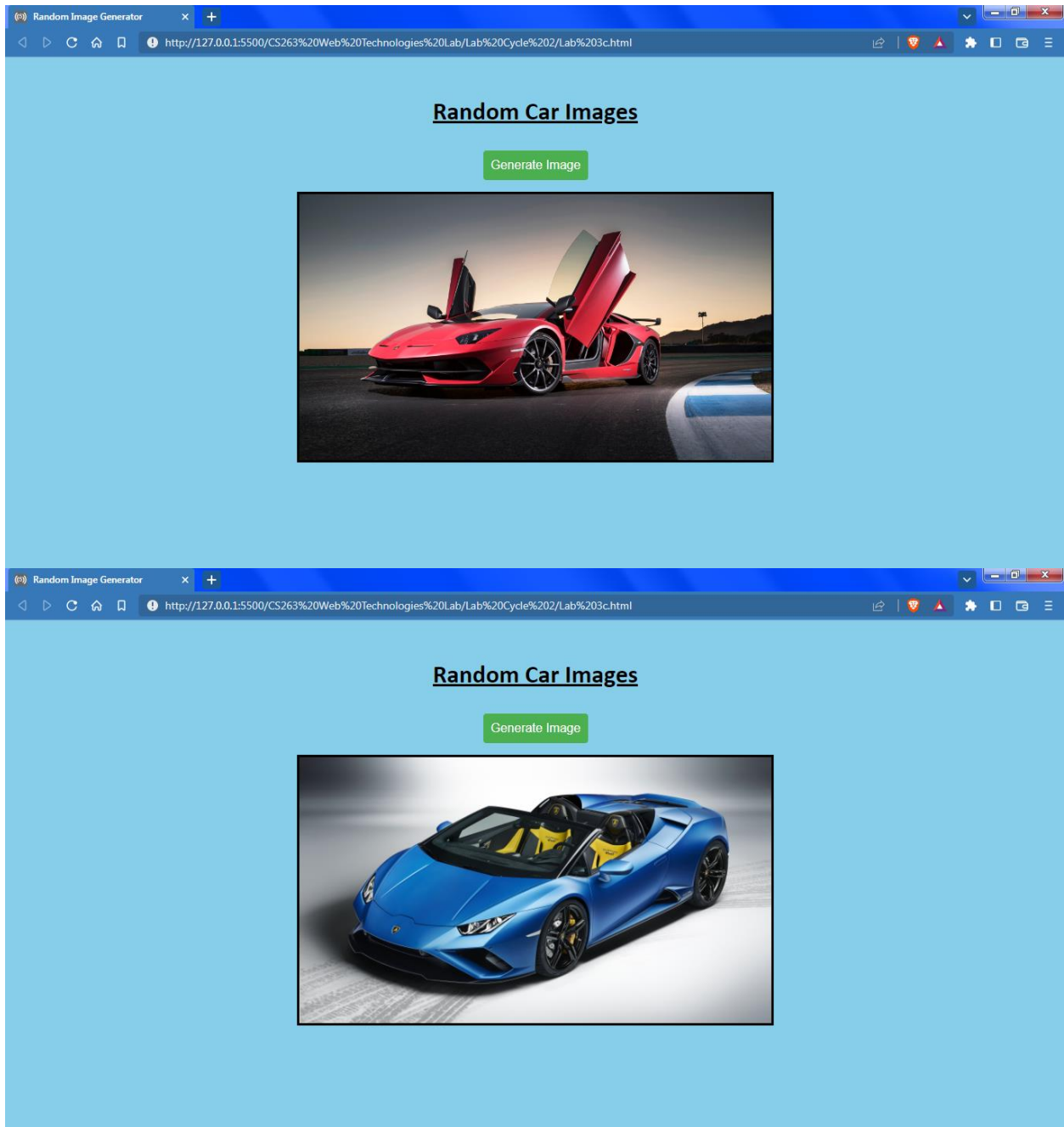
The image displays three sequential screenshots of a web browser window titled "Recursive Functions". The browser's address bar shows the URL: `http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab%20Cycle%202/Lab%203b.html`.

Factorial:
Enter a number:
SUBMIT
Factorial of 6 = 720

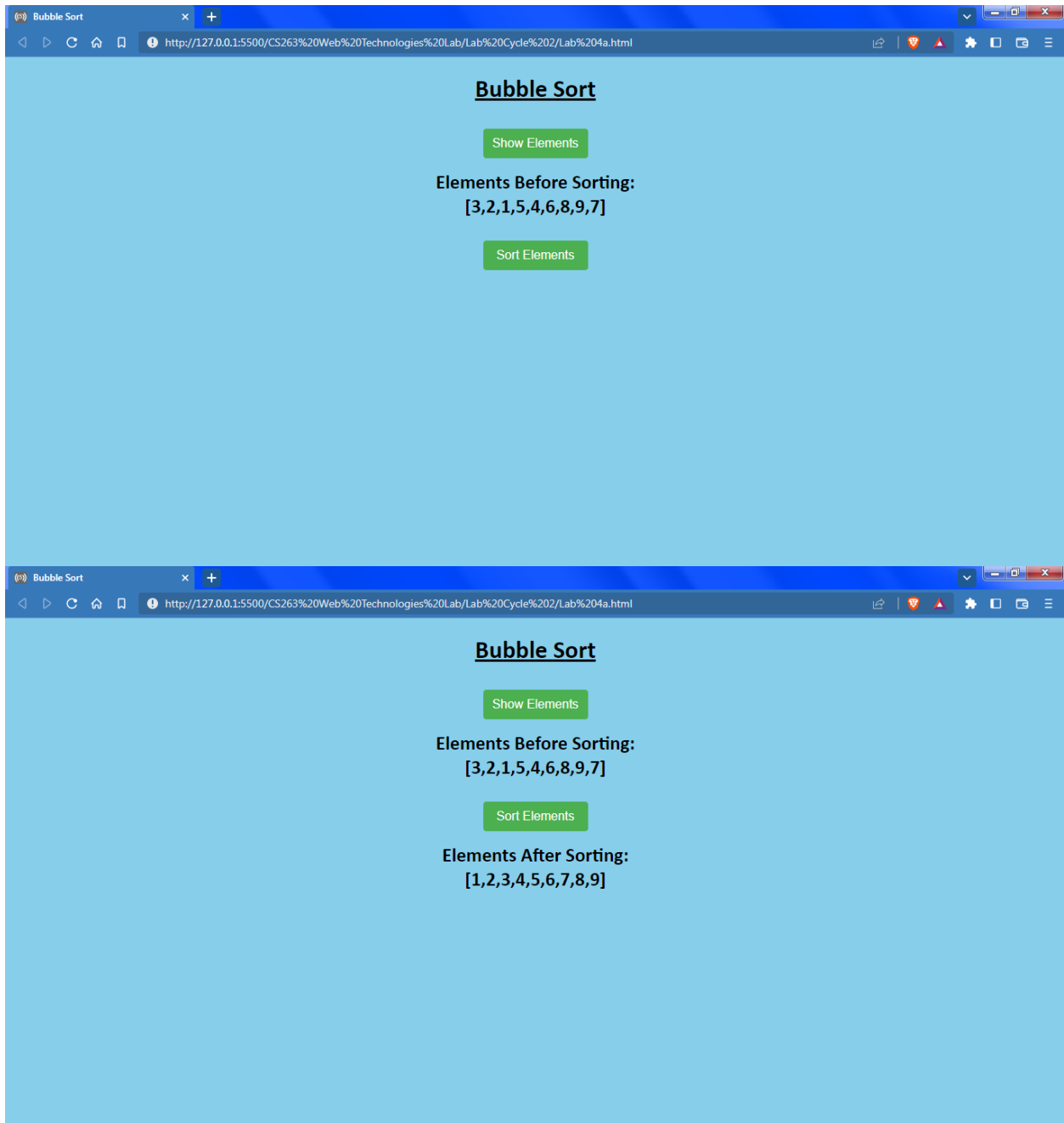
Fibonacci Numbers:
Enter the count:
SUBMIT
The First 10 Fibonacci Numbers are:
0, 1, 1, 2, 3, 5, 8, 13, 21, 34

Power:
Enter the Base:
Enter the Power:
SUBMIT
The Expression: 2 ** 10 = 1024

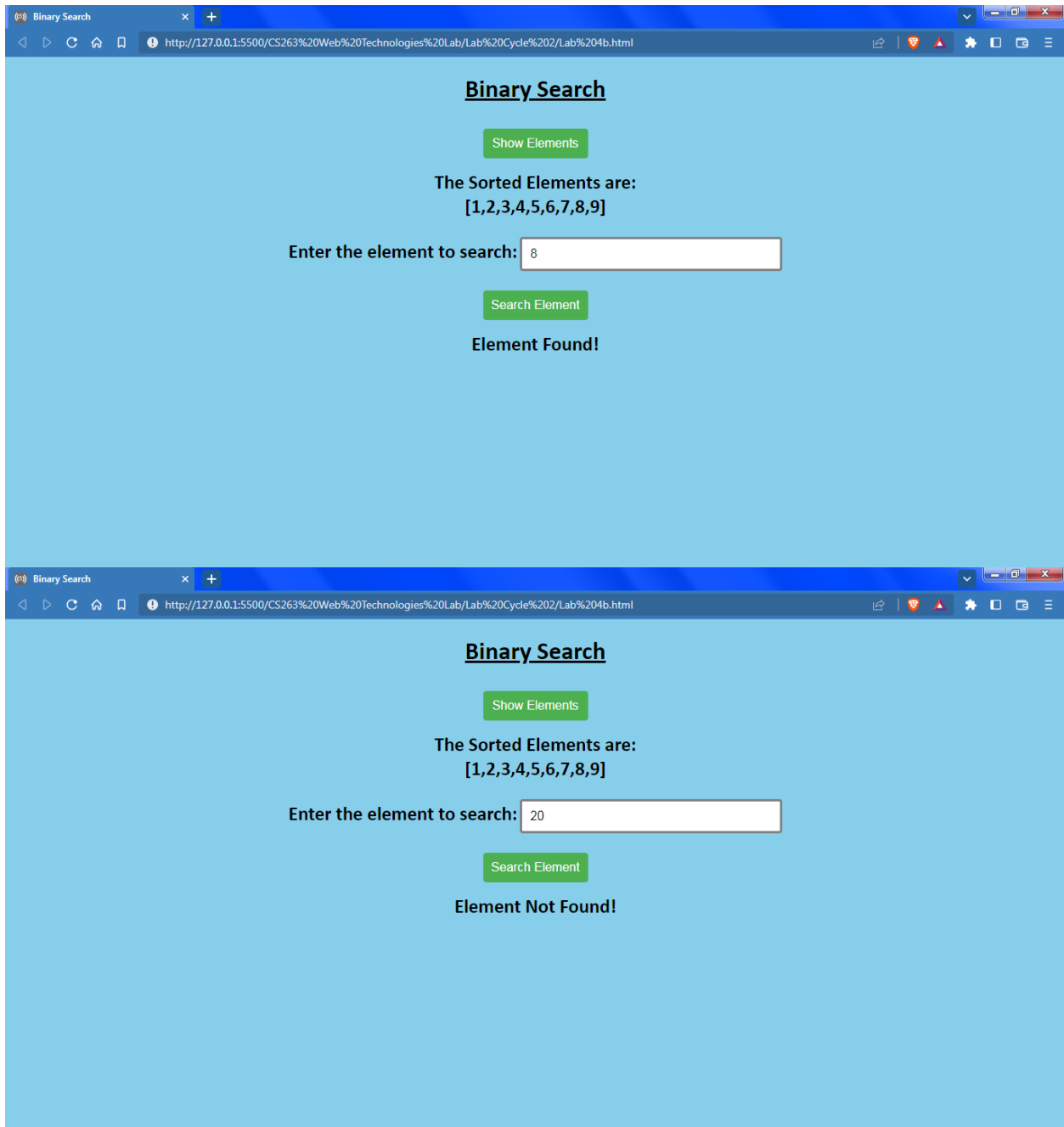
Program 3(c):



Program 4(a):



Program 4(b):



The image displays two screenshots of a web browser window titled "Binary Search". The browser's address bar shows the URL: `http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab/Lab%20Cycle%202/Lab%204b.html`.

Top Screenshot:

- The page title is "Binary Search".
- A green button labeled "Show Elements" is visible.
- The text "The Sorted Elements are:" is followed by the array `[1,2,3,4,5,6,7,8,9]`.
- The input field "Enter the element to search:" contains the value `8`.
- A green button labeled "Search Element" is visible.
- The output text is "Element Found!".

Bottom Screenshot:

- The page title is "Binary Search".
- A green button labeled "Show Elements" is visible.
- The text "The Sorted Elements are:" is followed by the array `[1,2,3,4,5,6,7,8,9]`.
- The input field "Enter the element to search:" contains the value `20`.
- A green button labeled "Search Element" is visible.
- The output text is "Element Not Found!".