

Program 1(a):

Enter a year:

2020 is a Leap Year

Enter a year:

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):

Sum Of Digits of a Number

Enter a number: 235343

SUBMIT

Sum of Digits of 235343 = 20

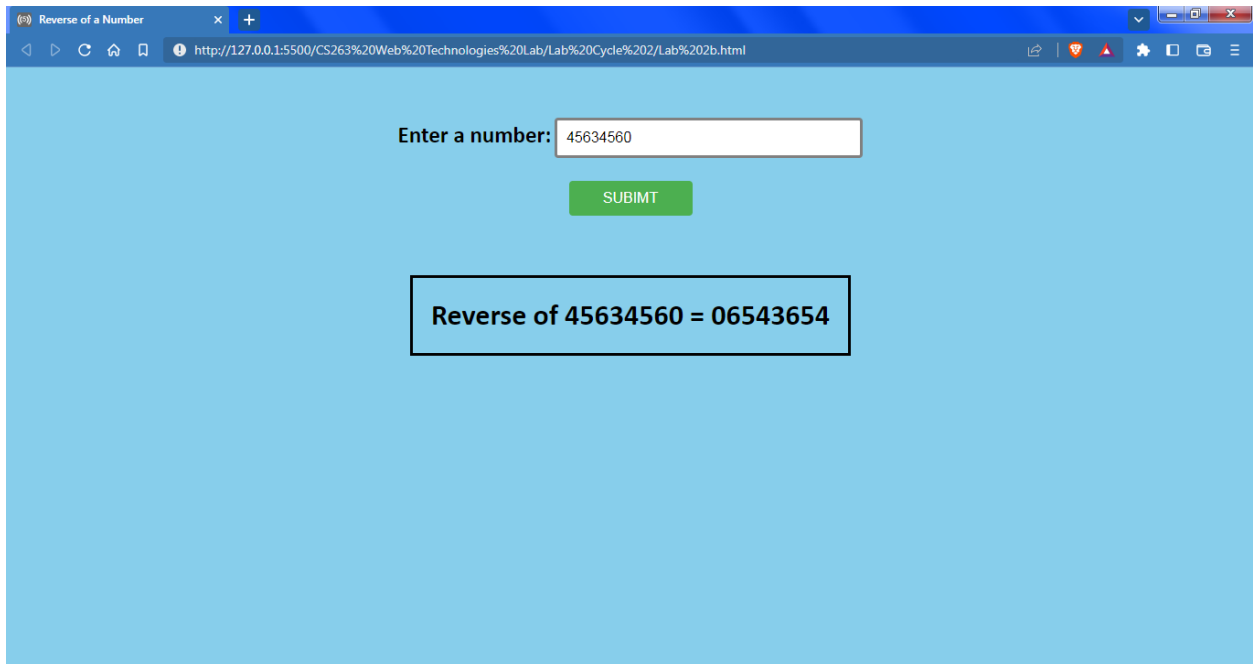
Sum Of Digits of a Number

Enter a number: -5535430

SUBMIT

Sum of Digits of -5535430 = 25

Program 2(b):



Reverse of a Number

Enter a number:

Reverse of 45634560 = 06543654

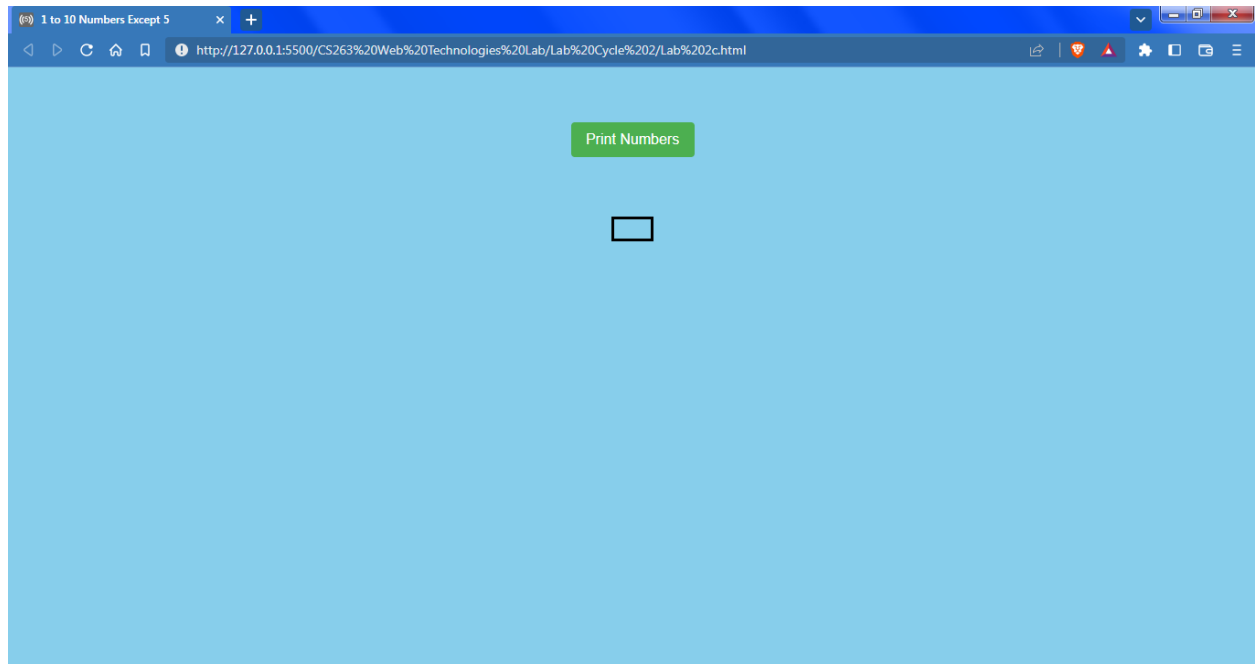


Reverse of a Number

Enter a number:

Reverse of -4163534130 = 0314353614

Program 2(c):



GCD, Reverse Number, Random | x

http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab%20Cycle%202/Lab%203a.html

GCD:

Enter number 1:

Enter number 2:

GCD of 536 and 464 = 8

Reverse Number:

Enter the number:

Reverse of 4534534 = 4354354

Random Number:

Enter the range(max exclusive):

to

A Random Number in the range (20, 50): 47

Recursive Functions

http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab/Lab%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:

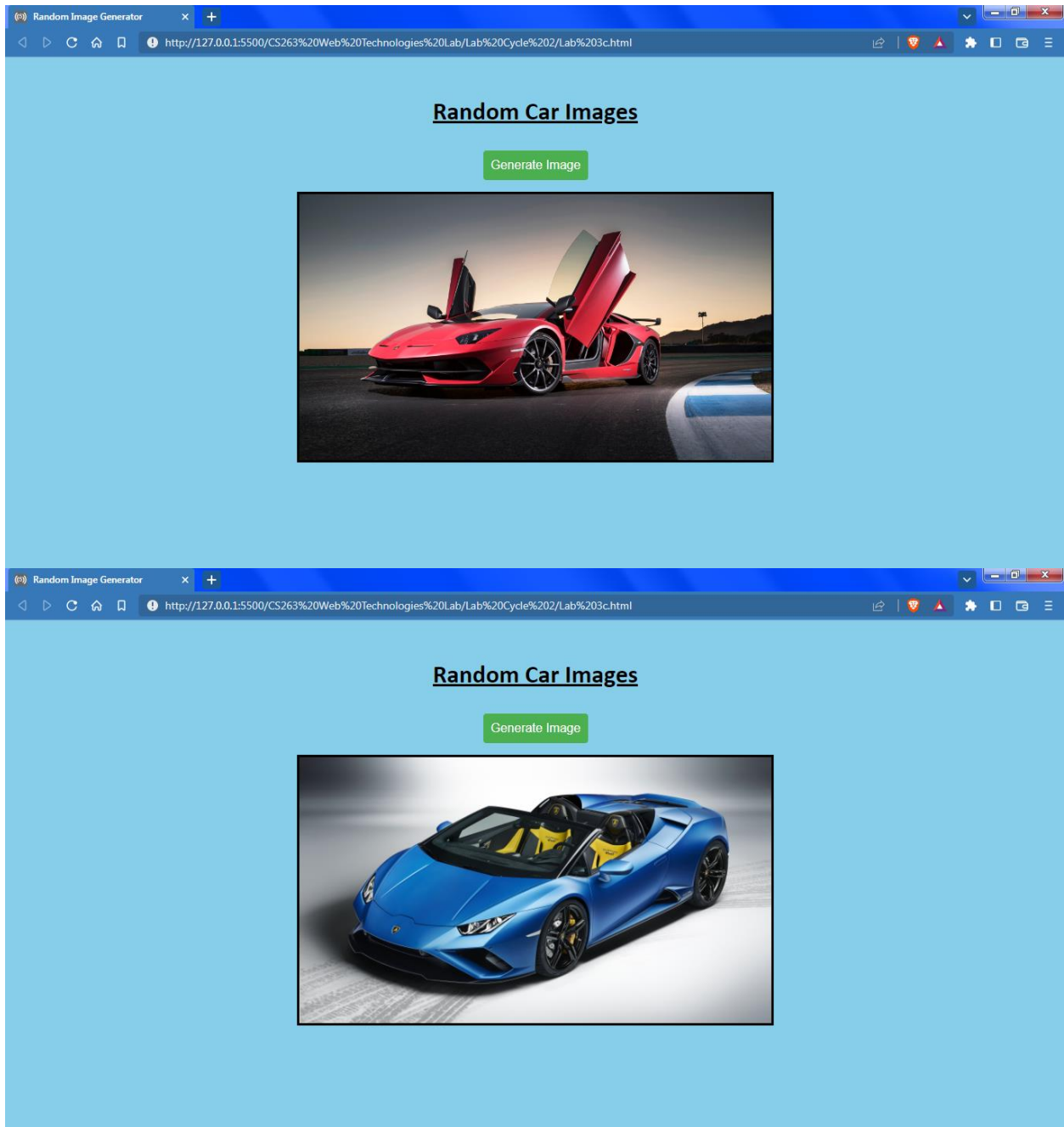
Enter the Base:

Enter the Power:

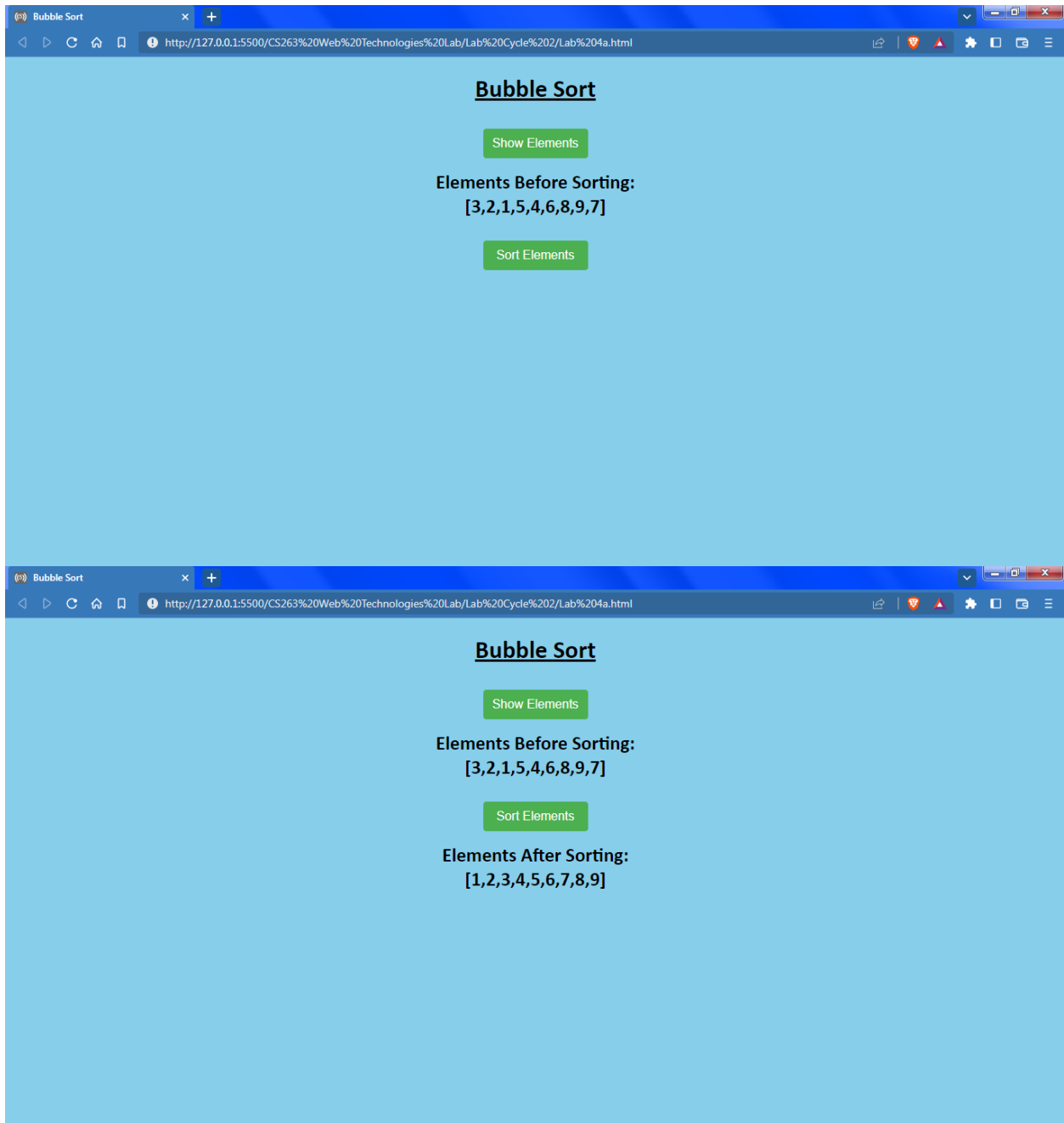
SUBMIT

The Expression: $2^{10} = 1024$

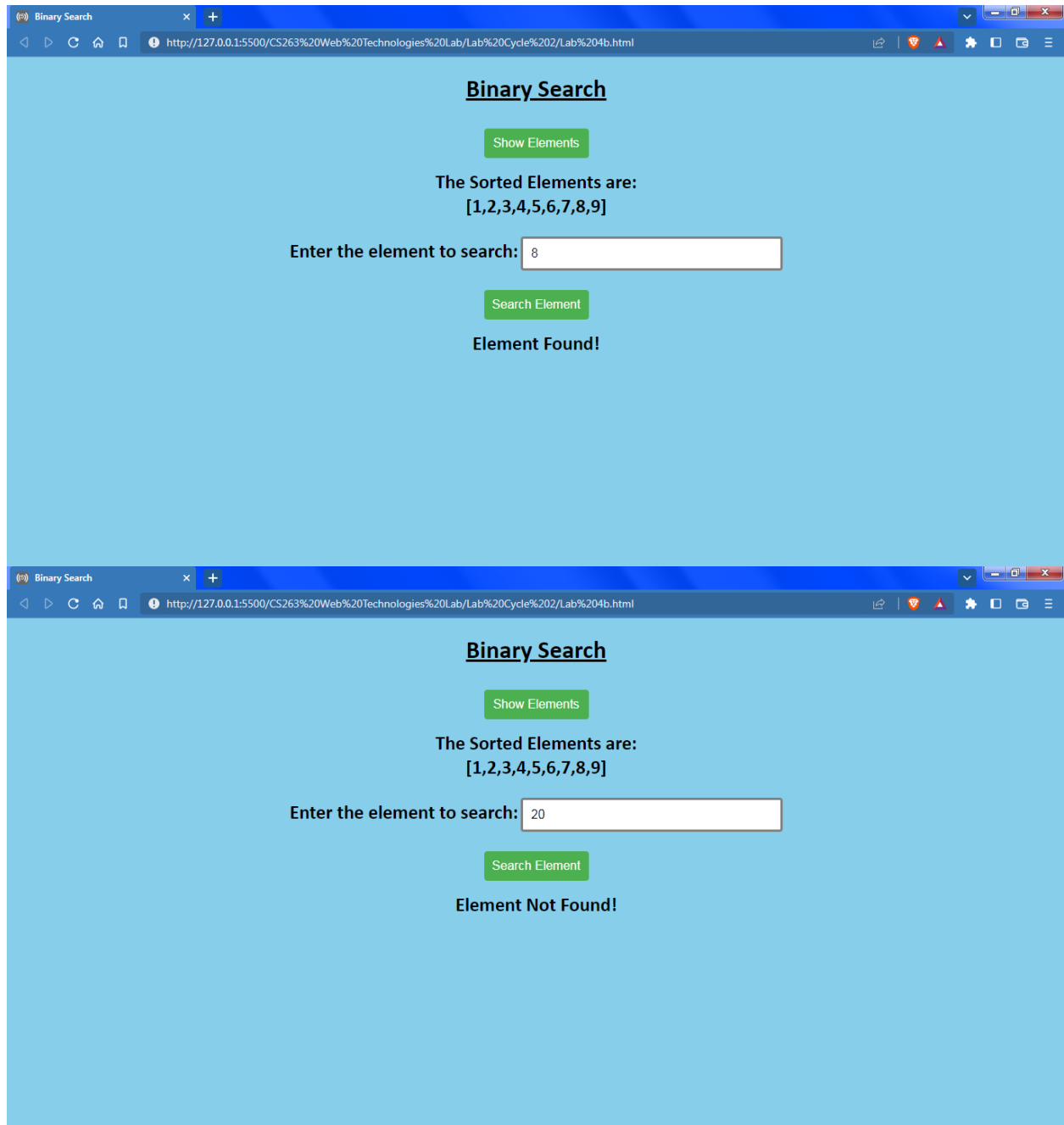
Program 3(c):



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!".

Program 4(c):

The screenshot shows a web browser window with the title "Matrix Addition and Multiplication". The address bar shows the URL "http://127.0.0.1:5500/CS263%20Web%20Technologies%20Lab/Lab%20Cycle%202/Lab%204c.html". The main content area has a light blue background and contains the following elements:

- A green button labeled "Show Matrices".
- The text "Matrix 1:" followed by a 3x3 matrix:

1	2	3
4	5	6
7	8	9
- The text "Matrix 2:" followed by a 3x3 matrix:

10	11	12
13	14	15
16	17	18
- A green button labeled "ADD".
- The text "Matrix 1 + Matrix 2:" followed by a 3x3 matrix:

11	13	15
17	19	21
23	25	27
- A green button labeled "MULTIPLY".
- The text "Matrix 1 * Matrix 2:" followed by a 3x3 matrix:

30	78	144
132	210	306
252	360	486