

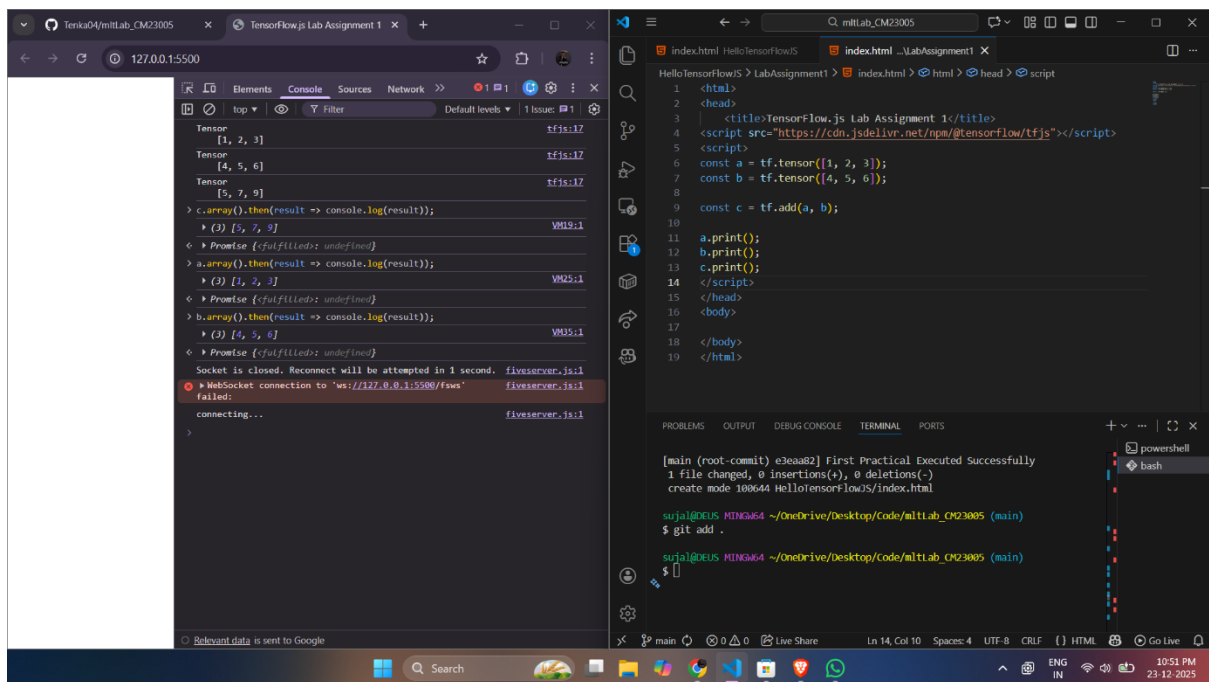
Output 1: Verified the installation of TensorFlow.js



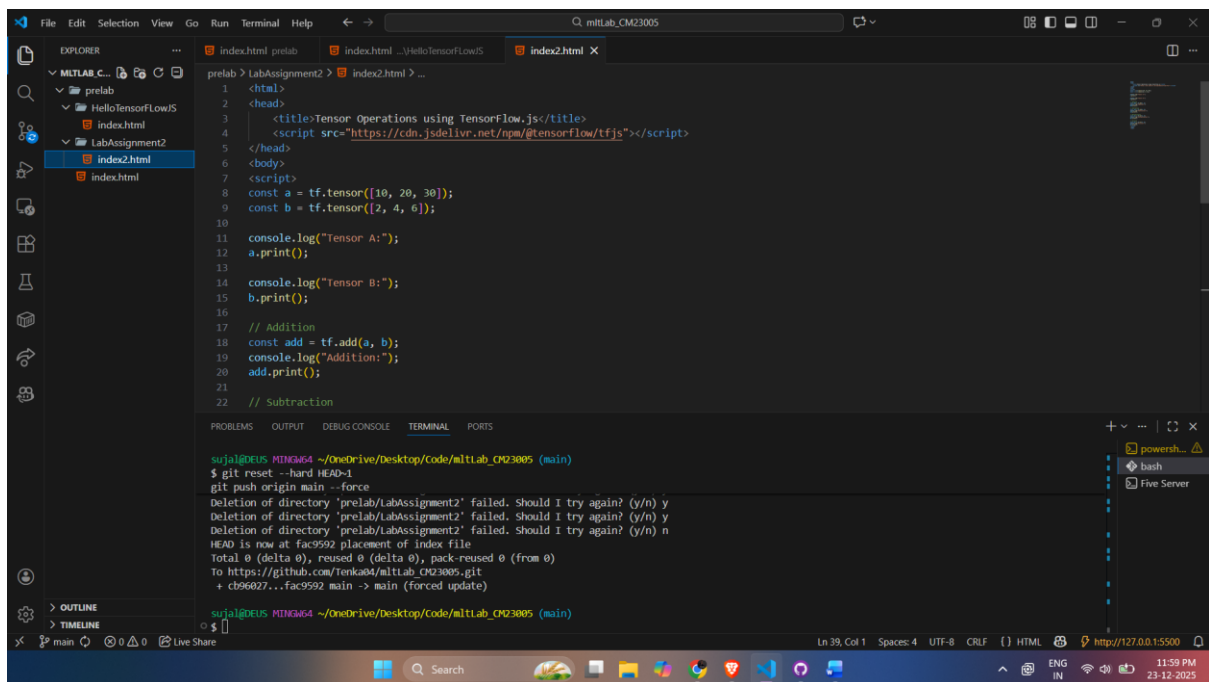
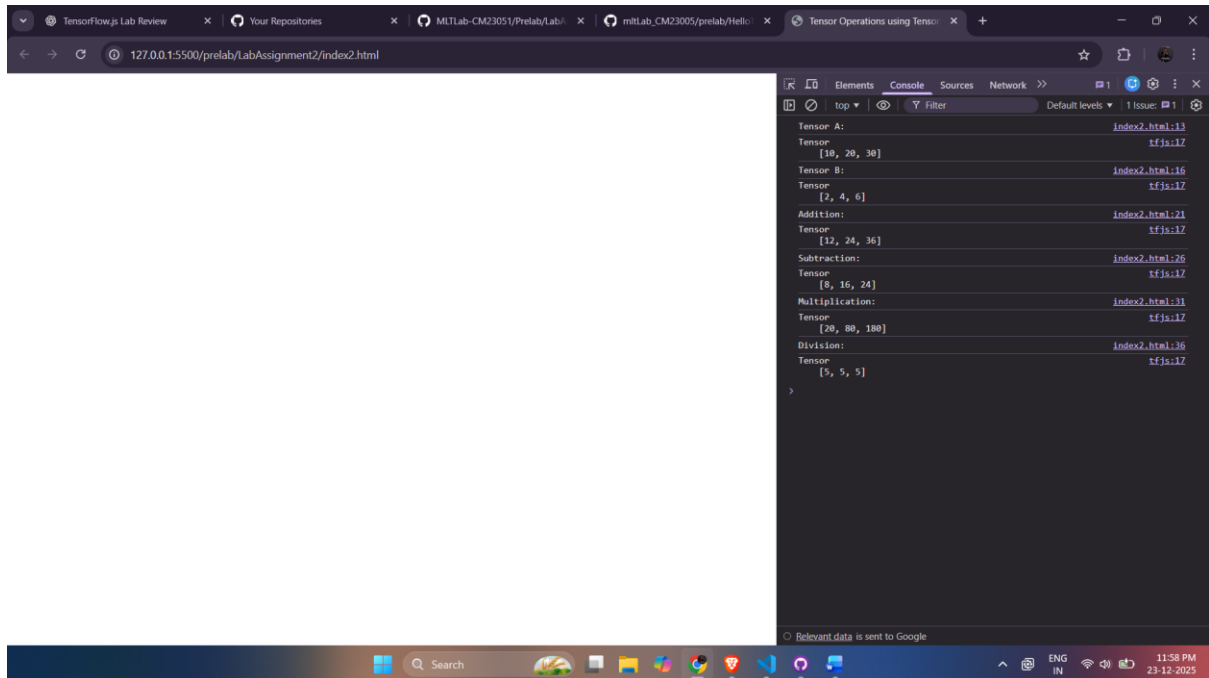
Verify TensorFlow.js installation by creating tensors, performing addition, and printing results.



Output 2: Lab Assignment 1 done



Output 3: Lab Assignment 2 done



Output 4: Lab Assignment 3 done

The image displays a web browser window and a VS Code editor window. The browser window shows the URL `127.0.0.1:5500/HelloTensorFlowJS/LabAssignment1/index.html` and the console output of the JavaScript code. The VS Code editor shows the source code of the `index3.html` file, which includes the TensorFlow.js library and the logic for tensor reshaping and flattening.

Browser Console Output:

```
Original Tensor:
Tensor
[1, 2, 3, 4, 5, 6]
Reshaped Tensor (2x3):
Tensor
[[1, 2, 3],
 [4, 5, 6]]
Flattened Tensor:
Tensor
[1, 2, 3, 4, 5, 6]
```

VS Code Editor Content:

index3.html

```
1 <html>
2 <head>
3   <title>Tensor Reshape and Flatten</title>
4   <script src="https://cdn.jsdelivr.net/npm/@tensorflow/tfjs"></script>
5 </head>
6 <body>
7   <script>
8     const tensor = tf.tensor([1, 2, 3, 4, 5, 6]);
9
10    console.log("Original Tensor:");
11    tensor.print();
12
13    // Reshape the tensor into 2x3 matrix
14    const reshapedTensor = tensor.reshape([2, 3]);
15    console.log("Reshaped Tensor (2x3):");
16    reshapedTensor.print();
17
18    // Flatten the reshaped tensor
19    const flattenedTensor = reshapedTensor.flatten();
20    console.log("Flattened Tensor:");
21    flattenedTensor.print();
22  </script>
```

Terminal Output:

```
sujal@DEUS MINGW64 ~/OneDrive/Desktop/code/mltLab_CM23005 (main)
$ git reset --hard HEAD-1
git push origin main --force
Deletion of directory 'prelab/LabAssignment2' failed. Should I try again? (y/n) y
Deletion of directory 'prelab/LabAssignment2' failed. Should I try again? (y/n) n
HEAD is now at fac9592 placement of index file
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Tenka04/mltLab_CM23005.git
+ cb96027...fac9592 main -> main (forced update)
```