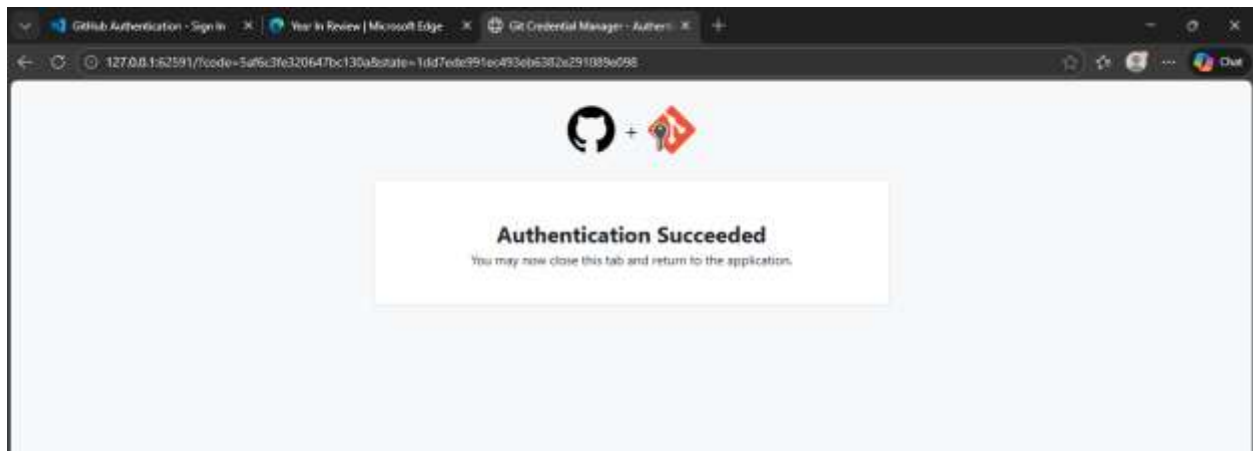
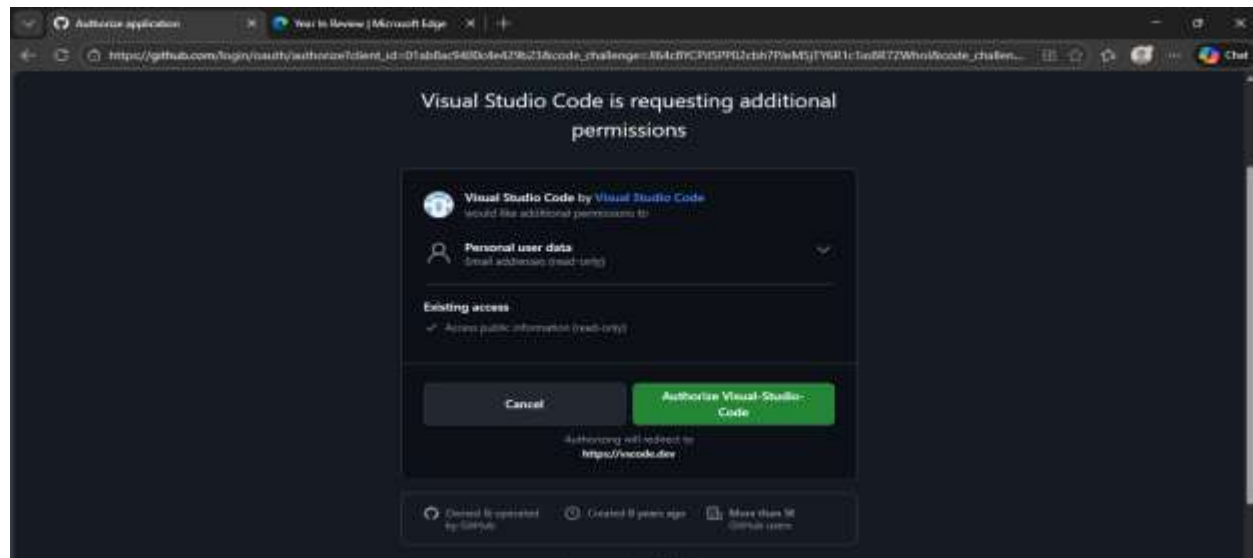
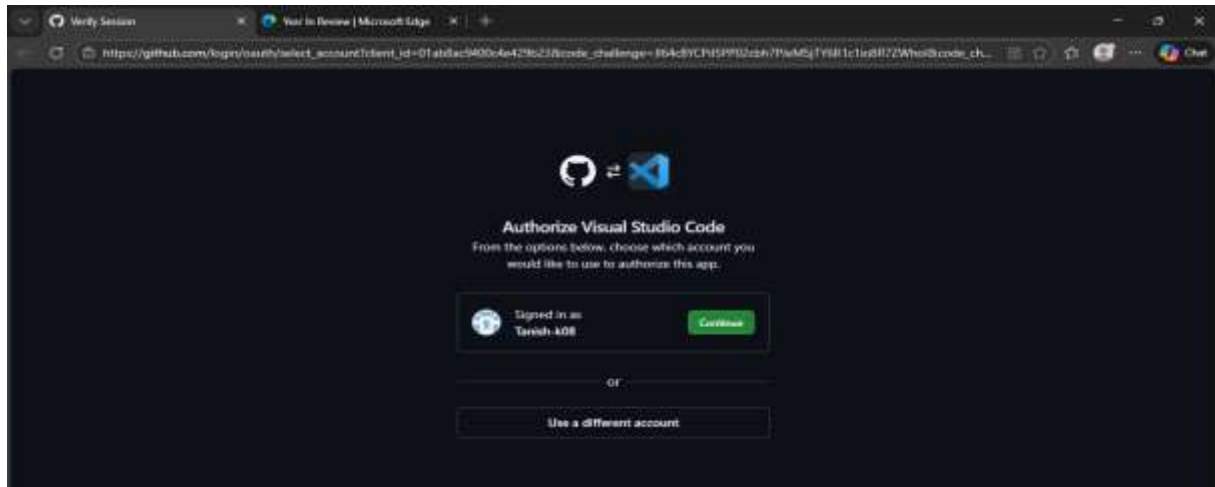
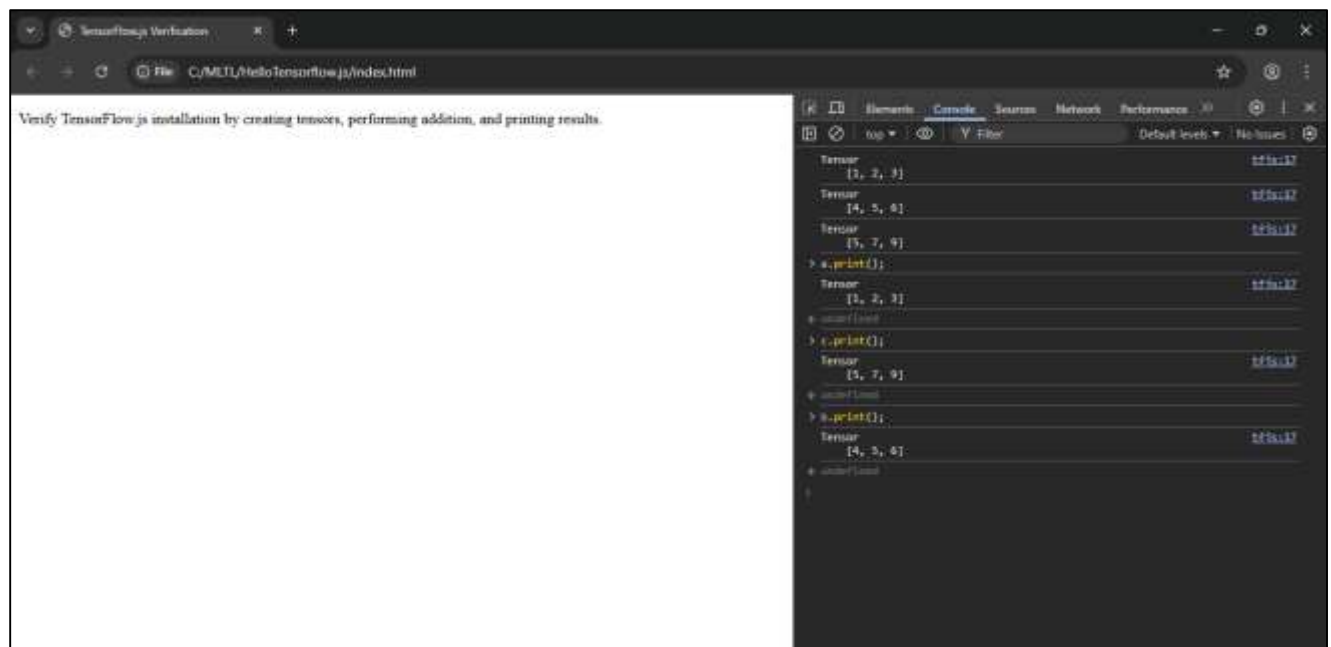


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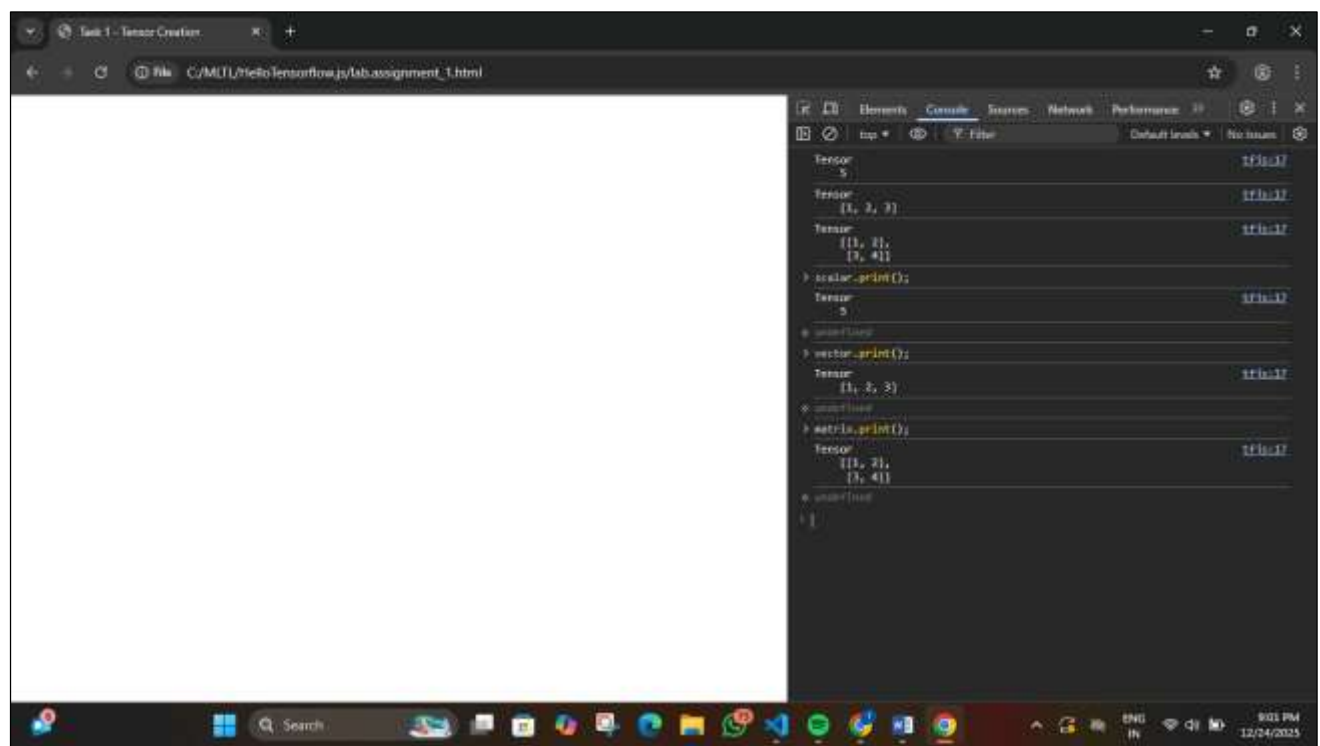
Machine learning tools lab (Pre- Lab)

Pre-lab(verifying tensorflow.js):

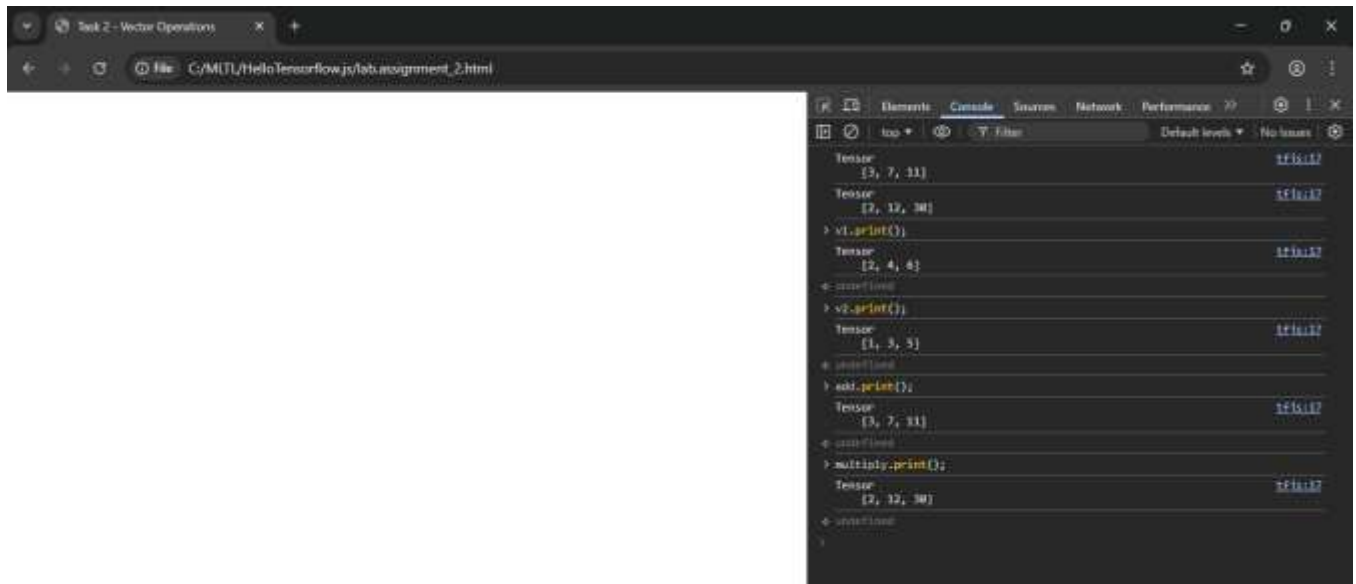




Lab assignment 1 :



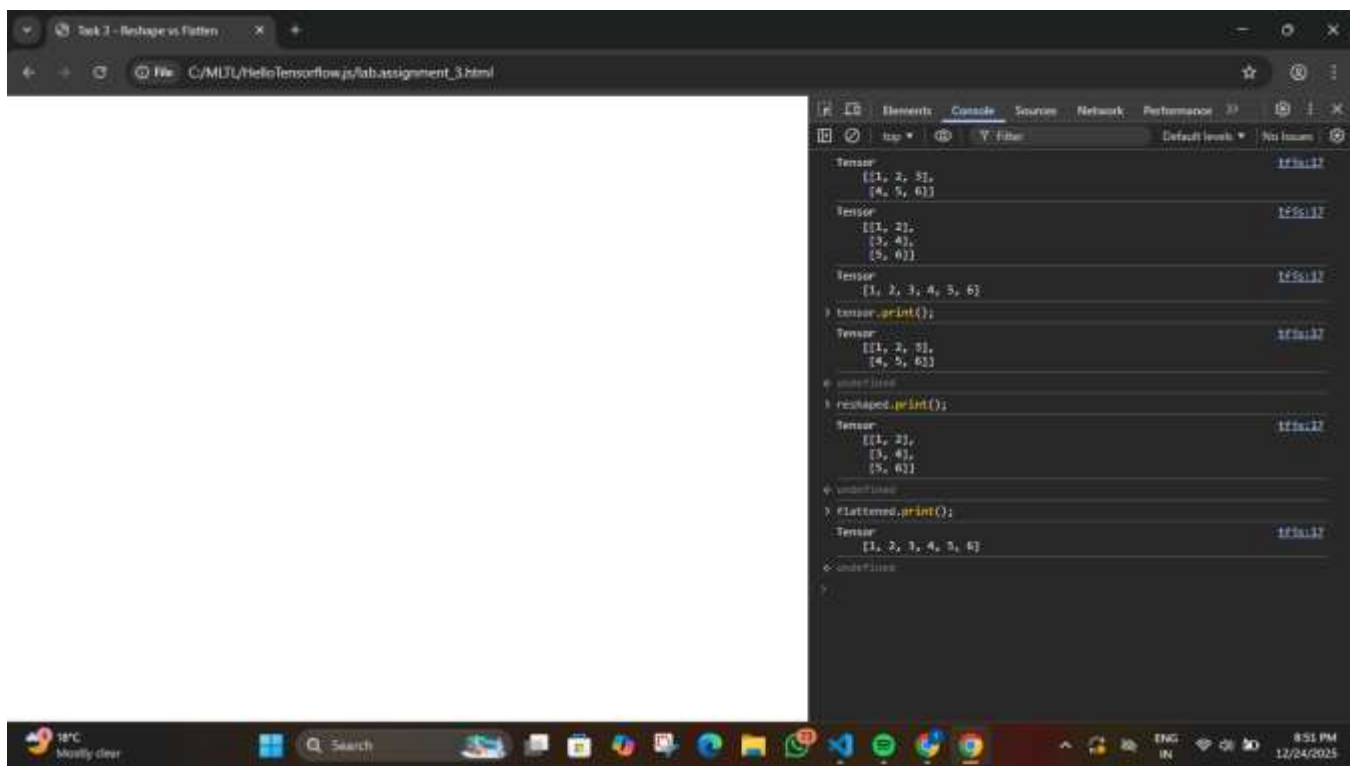
Lab assignment 2:



```
Task 2 - Vector Operations
file C:/MITU/HelloTensorflow.js/lab.assignment_2.html

Tensor
[[3, 7, 11]]
Tensor
[[2, 12, 30]]
> v1.print();
Tensor
[[3, 7, 11]]
< console.log
> v2.print();
Tensor
[[2, 12, 30]]
< console.log
> add.print();
Tensor
[[5, 19, 41]]
< console.log
> multiply.print();
Tensor
[[6, 84, 330]]
< console.log
```

Lab assignment 3 :



```
Task 3 - Reshape vs Flatten
file C:/MITU/HelloTensorflow.js/lab.assignment_3.html

Tensor
[[1, 2, 3],
 [4, 5, 6]]
Tensor
[[1, 2],
 [3, 4],
 [5, 6]]
Tensor
[[1, 2, 3, 4, 5, 6]]
> tensor.print();
Tensor
[[1, 2, 3],
 [4, 5, 6]]
< console.log
> reshaped.print();
Tensor
[[1, 2],
 [3, 4],
 [5, 6]]
< console.log
> flattened.print();
Tensor
[[1, 2, 3, 4, 5, 6]]
< console.log
```