

practical : 0

Assignment :1

The screenshot shows a web application titled "Tensor Dimensions" with a message: "Check the Browser Console (F12) to see the scalar, vector, and matrix outputs. Tensors created successfully!". The browser console on the right displays several log entries:

- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_1.html:1)
- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_1.html:1)
- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_1.html:1)
- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_1.html:1)
- Live reload enabled. (assignment_1.html:110)
- SCALAR (0D) --- (assignment_1.html:64)
- Tensor 7 (tfjs@latest:17)
- VECTOR (1D) --- (assignment_1.html:67)
- Tensor [1.5, 2.5, 3.5] (tfjs@latest:17)
- MATRIX (2D) --- (assignment_1.html:78)
- Tensor [[1, 2], [3, 4], [5, 6]] (tfjs@latest:17)
- Failed to load resource: the server responded with a status of 404 (Not Found) (favicon.ico:1)

Assignment :2

The screenshot shows a web application titled "Vector Math Operations" with the text: "Performing operations on **A** and **B**". It lists two vectors:

- Vector A: [10, 20, 30]
- Vector B: [2, 4, 6]

It also states: "Results are printed in the Console (F12)". The browser console on the right displays the following log entries:

- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_2.html:1)
- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_2.html:1)
- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_2.html:1)
- Tracking Prevention blocked access to storage for `https://cdn.jsdelivr.net/npm/tensorflow/tfjs@latest.` (assignment_2.html:1)
- Live reload enabled. (assignment_2.html:111)
- Vector A: (assignment_2.html:69)
- Tensor [10, 20, 30] (tfjs@latest:17)
- Vector B: (assignment_2.html:72)
- Tensor [2, 4, 6] (tfjs@latest:17)
- Result of A + B (Addition): (assignment_2.html:75)
- Tensor [12, 24, 36] (tfjs@latest:17)
- Result of A * B (Multiplication): (assignment_2.html:78)
- Tensor [20, 80, 180] (tfjs@latest:17)

Assignment: 3

The screenshot shows a web browser window with a page titled "Tensor Basics". The page contains instructions for running the code in the browser console and a list of operations covered. The browser's developer console is open on the right, displaying the execution of the code and the resulting tensor operations.

Tensor Basics

1. Open your browser **Console** (Press **F12** or **Right-Click** > **Inspect**).
2. Refresh the page to see the code execute.

Operations covered:

- Creation (Scalar, Vector, Matrix)
- Element-wise Addition & Multiplication
- Reshaping & Flattening

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Tracking Prevention blocked access to storage for https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@latest. assignment_3.html:1
Tracking Prevention blocked access to storage for https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@latest. assignment_3.html:1
Tracking Prevention blocked access to storage for https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@latest. assignment_3.html:1
Tracking Prevention blocked access to storage for https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@latest. assignment_3.html:1

Live reload enabled. assignment_3.html:112
--- 1. CREATION --- assignment_3.html:46
Scalar (00): assignment_3.html:52
Tensor
5 tfjs@latest:17
Vector (1D): assignment_3.html:53
Tensor
[1, 2, 3] tfjs@latest:17
Matrix (2D): assignment_3.html:54
Tensor
[[1, 2],
 [3, 4]] tfjs@latest:17
--- 2. ELEMENT-WISE OPS --- assignment_3.html:56
Vector A + B: assignment_3.html:61
Tensor
[12, 22, 32] tfjs@latest:17
Vector A * B (Element-wise): assignment_3.html:64
Tensor
[20, 40, 60] tfjs@latest:17
--- 3. RESHAPE vs FLATTEN --- assignment_3.html:67
Reshaped to 2x3 Matrix: assignment_3.html:73
Tensor
[[1, 2, 3],
 [4, 5, 6]] tfjs@latest:17
Flattened back to Vector: assignment_3.html:78
Tensor
[1, 2, 3, 4, 5, 6] tfjs@latest:17
Check finished! assignment_3.html:81
>
```