



Step 1 - Tensor Creation    Step 2 - Matrix Addition    Step 3 - Reshape vs Flatten    +

127.0.0.1:5500/TensorFlows/LabAssignment2/matrixadd.html

### Step 2: Matrix Addition

Matrix A:  
Tensor  
[[1, 2],  
[3, 4]]

Matrix B:  
Tensor  
[[5, 6],  
[7, 8]]

A + B:  
Tensor  
[[6, 8 ],  
[10, 12]]

Console

```
Step 2 Output:
Tensor
[[1, 2],
[3, 4]]

Tensor
[[5, 6],
[7, 8]]

Tensor
[[6, 8 ],
[10, 12]]

> matrixA.print();
Tensor
[[1, 2],
[3, 4]]

< undefined
> matrixA.print();
Tensor
[[1, 2],
[3, 4]]

< undefined
> sum.print();
Uncaught ReferenceError: sum is not defined
    at <anonymous>:1:1
[NEW] Explain Console errors by using Copilot in Edge:
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> sum.print();
Tensor
[[6, 8 ],
[10, 12]]

< undefined
>
```

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Step 1 - Tensor Creation    Step 2 - Matrix Addition    Step 3 - Reshape vs Flatten    +

127.0.0.1:5500/TensorFlows/LabAssignment3/reshapervsflatten.html

### Step 3: Reshape vs Flatten

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

Reshaped Tensor (3x2):  
Tensor  
[[1, 2],  
[3, 4],  
[5, 6]]

Flattened Tensor:  
Tensor  
[1, 2, 3, 4, 5, 6]

Console

```
Step 3 Output:
Tensor
[[1, 2, 3],
[4, 5, 6]]

Tensor
[[1, 2],
[3, 4],
[5, 6]]

Tensor
[1, 2, 3, 4, 5, 6]

> original.print();
Tensor
[[1, 2, 3],
[4, 5, 6]]

< undefined
> reshaped.print();
Tensor
[[1, 2],
[3, 4],
[5, 6]]

< undefined
> flattened.print();
Tensor
[1, 2, 3, 4, 5, 6]

< undefined
> |
```

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