This is Machine Learning Tools Lab.

Prelab

Elements Console Sources Network

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```
Tensor                                          tfjs@latest:17
    5
Tensor                                          tfjs@latest:17
    [1, 2, 3]
Tensor                                          tfjs@latest:17
    [[1, 2],
     [3, 4]]
Live reload enabled.                              dim.html:53
> scalar.print()
Tensor                                          tfjs@latest:17
    5
< undefined
> vector.print()
Tensor                                          tfjs@latest:17
    [1, 2, 3]
< undefined
> matrix.print()
Tensor                                          tfjs@latest:17
    [[1, 2],
     [3, 4]]
< undefined
>
```

Elements Console Sources Network

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```
Tensor                                          tfjs@latest:17
    [[1, 2, 3],
     [4, 5, 6]]
Tensor                                          tfjs@latest:17
    [[1, 2],
     [3, 4],
     [5, 6]]
Tensor                                          tfjs@latest:17
    [1, 2, 3, 4, 5, 6]
Live reload enabled.                            reshape.html:53
> tensor.print()
Tensor                                          tfjs@latest:17
    [[1, 2, 3],
     [4, 5, 6]]
< undefined
> reshaped.print()
Tensor                                          tfjs@latest:17
    [[1, 2],
     [3, 4],
     [5, 6]]
< undefined
> flatten.print()
⊗ ▶ Uncaught ReferenceError: flatten is not defined      VM161:1
      at <anonymous>:1:1
> flattened.print()
Tensor                                          tfjs@latest:17
    [1, 2, 3, 4, 5, 6]
< undefined
>
```