

## 2\_numpy\_reshape

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```
In [ ]: import numpy as np
```

### reshape

```
In [ ]: test_matrix = [[1,2,3,4], [1,2,5,8]]
        np.array(test_matrix).shape
```

```
In [ ]: np.array(test_matrix).reshape(2,2,2)
```

```
In [ ]: np.array(test_matrix).reshape(8,)
```

```
In [ ]: np.array(test_matrix).reshape(8,).shape
```

```
In [ ]: np.array(test_matrix).reshape(2,4)
```

```
In [ ]: np.array(test_matrix).reshape(2,4).shape
```

```
In [ ]: np.array(test_matrix).reshape(2,-1)
```

```
In [ ]: np.array(test_matrix).reshape(2,-1).shape
```

```
In [ ]: np.array(test_matrix).reshape(2,2,2)
```

```
In [ ]: np.array(test_matrix).reshape(2,2,2).shape
```

### flat or flatten()

```
In [ ]: test_matrix = [[[1,2,3,4], [1,2,5,8]], [[1,2,3,4], [1,2,5,8]]]
        np.array(test_matrix).flatten()
```

```
In [ ]:
```