

# Numpy

- description : numpy
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## Numpy

[Google\\_Colab](#)

```
[1] 1 import numpy as np

[12] 1 # 0 차원
      2 a = np.array(1)
      3 print(a.shape, a.ndim)

↳ (,) 0

[13] 1 # 1 차원
      2 a = np.array([1])
      3 print(a.shape, a.ndim)

↳ (1,) 1

[16] 1 # 2 차원
      2 a = np.array([[1, 2, 3],[1, 2, 3],[1, 2, 3]])
      3 print(a.shape, a.ndim)

↳ (3, 3) 2

[19] 1 # 2 차원
      2 a = np.array([[[1]])
      3 print(a.shape, a.ndim)

↳ (1, 1) 2

▶ 1 # 3 차원
   2 a = np.array([[[[1, 2], [1, 2], [1, 2]],[[1, 2], [1, 2], [1, 2]]]])
   3 print(a.shape, a.ndim)

↳ (2, 3, 2) 3
```

## Tip

, [numpy](#)

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