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import numpy as np

array=np.random.randint(1,100,9)

array

array([83, 25, 19, 47, 62, 15, 96, 39, 51])

np.sqrt(array)

array([9.11043358, 5. , 4.35889894, 6.8556546 , 7.87400787,

3.87298335, 9.79795897, 6.244998 , 7.14142843])

array.ndim

1

new\_array=array.reshape(3,3)

new\_array

array([[83, 25, 19],

[47, 62, 15],

[96, 39, 51]])

new\_array.ndim

2

new\_array.ravel()

array([83, 25, 19, 47, 62, 15, 96, 39, 51])

newm=new\_array.reshape(3,3)

newm

array([[83, 25, 19],

[47, 62, 15],

[96, 39, 51]])

newm[2,1:3]

array([39, 51])

newm[1:2,1:3]

array([[62, 15]])

new\_array[0:3,0:0]

array([], shape=(3, 0), dtype=int64)

new\_array[0:2,0:1]

array([[83],

[47]])

new\_array[0:3,0:1]

array([[83],

[47],

[96]])

new\_array[1:3]

array([[47, 62, 15],

[96, 39, 51]])

https://colab.research.google.com/drive/13G4FlnBMXbErA0zk2vKl\_o82OxhSkVnk#scrollTo=-SNYqjk34QWE&printMode=true 1/2

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