

```

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

array([69, 82, 26, 46, 64, 44, 96, 48, 81])

np.sqrt(array)

array([8.30662386, 9.05538514, 5.09901951, 6.78232998, 8.
        6.63324958, 9.79795897, 6.92820323, 9.
        ])

array.ndim

1

new_array=array.reshape(3,3)
new_array

array([[69, 82, 26],
       [46, 64, 44],
       [96, 48, 81]])

new_array.ndim

2

new_array.ravel()

array([69, 82, 26, 46, 64, 44, 96, 48, 81])

newm=new_array.reshape(3,3)
newm

array([[69, 82, 26],
       [46, 64, 44],
       [96, 48, 81]])

newm[2,1:3]

array([48, 81])

newm[1:2,1:3]

array([[64, 44]])

new_array[0:3,0:0]

array([], shape=(3, 0), dtype=int32)

new_array[0:2,0:1]

array([[69],
       [46]])

```

```
new_array[0:3,0:1]
```

```
array([[69],  
       [46],  
       [96]])
```

```
new_array[1:3]
```

```
array([[46, 64, 44],  
       [96, 48, 81]])
```