In [1]:
```
import numpy as np

arr_3d = np.arange(24).reshape(2, 3, 4)
print("Original 3D Array:\n", arr_3d)

slice_3d = arr_3d[0, :, :]
print("\nSliced 3D Array (First Block):\n", slice_3d)
```

```
Original 3D Array:
 [[[ 0  1  2  3]
  [ 4  5  6  7]
  [ 8  9 10 11]]

 [[12 13 14 15]
  [16 17 18 19]
  [20 21 22 23]]]

Sliced 3D Array (First Block):
 [[ 0  1  2  3]
 [ 4  5  6  7]
 [ 8  9 10 11]]
```

In [2]:
```
import numpy as np
arr_2d = np.array([[10, 20, 30, 40],
                   [50, 60, 70, 80],
                   [90, 100, 110, 120]])
print("Original 2D Array:\n", arr_2d)

# Slicing last two rows and last two columns
slice_2d = arr_2d[-2:, -2:]
print("\nSliced 2D Array (Using Negative Indexing):\n", slice_2d)
```

```
Original 2D Array:
 [[ 10  20  30  40]
 [ 50  60  70  80]
 [ 90 100 110 120]]

Sliced 2D Array (Using Negative Indexing):
 [[ 70  80]
 [110 120]]
```

In [4]:
```
import numpy as np
arr = np.array([[1, 2, 3],
                            [4, 5, 6],
                            [7, 8, 9]])
print("Original 2D Array:\n", arr)
copy = arr.copy()
print("\nCopied 2D Array:\n", copy)
```

```
Original 2D Array:
 [[1 2 3]
 [4 5 6]
 [7 8 9]]

Copied 2D Array:
 [[1 2 3]
 [4 5 6]
 [7 8 9]]
```

In [ ]: