In [9]:
```
import numpy as np

# 1. Create an array of 10 zeros, 10 ones, and 10 fives
zeros_array = np.zeros(10)
ones_array = np.ones(10)
fives_array = np.full(10, 5)

print("Array of 10 zeros:", zeros_array)
print("Array of 10 ones:", ones_array)
print("Array of 10 fives:", fives_array)
```

```
Array of 10 zeros: [0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
Array of 10 ones: [1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
Array of 10 fives: [5 5 5 5 5 5 5 5 5 5]
```

In [10]:
```
# 2. Create a 3x3 matrix with values ranging from 2 to 10

matrix = np.arange(2, 11).reshape(3, 3)
print("3x3 matrix with values from 2 to 10:\n", matrix)
```

```
3x3 matrix with values from 2 to 10:
 [[ 2  3  4]
 [ 5  6  7]
 [ 8  9 10]]
```

In [11]:
```
# 3. Create an array with values ranging from 12 to 38
array_12_to_38 = np.arange(12, 39)
print("Array with values from 12 to 38:", array_12_to_38)
```

```
Array with values from 12 to 38: [12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
29 30 31 32 33 34 35
 36 37 38]
```

In [13]:
```
# 4. Convert a list and tuple into arrays
my_list = [1, 2, 3, 4, 5, 6, 7, 8]
my_tuple = ([8, 4, 6], [1, 2, 3])

list_array = np.array(my_list)
tuple_array = np.array(my_tuple)

print("List to array:", list_array,"\n")
print("Tuple to array:\n", tuple_array)
```

```
List to array: [1 2 3 4 5 6 7 8]

Tuple to array:
 [[8 4 6]
 [1 2 3]]
```

In [ ]:
```

```