In [1]:
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import numpy as np

# 1️⃣ Convert list to numpy array, display first & last index, multiply by 2
my_list = [1, 2, 3, 4, 5]
np_array = np.array(my_list)

print("NumPy Array:", np_array)
print("First Element:", np_array[0])
print("Last Element:", np_array[-1])

# Multiply each element by 2
multiplied_array = np_array * 2
print("Array after multiplying by 2:", multiplied_array)

# 2️⃣ Use arange() to create an array from 0 to 20 with step 2
arange_array = np.arange(0, 21, 2)
print("\nArray using arange:", arange_array)

# 3️⃣ Create an array and find max & min values
values = np.array([10, 25, 5, 18, 30])
max_value = np.max(values)
min_value = np.min(values)

print("\nMaximum Value:", max_value)
print("Minimum Value:", min_value)

# 4️⃣ Create an array from 1 to 10 and find the sum
num_array = np.arange(1, 11)
sum_of_elements = np.sum(num_array)

print("\nSum of elements from 1 to 10:", sum_of_elements)
```

```
NumPy Array: [1 2 3 4 5]
First Element: 1
Last Element: 5
Array after multiplying by 2: [ 2  4  6  8 10]

Array using arange: [ 0  2  4  6  8 10 12 14 16 18 20]

Maximum Value: 30
Minimum Value: 5

Sum of elements from 1 to 10: 55
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In [ ]:
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