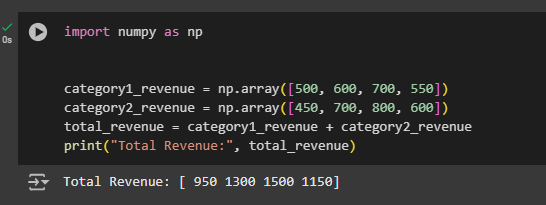
Lab\_Day-20 (Numpy mathematical operations)

1. Calculate the total revenue generated by two product categories in a store

Input: category1\_revenue = np.array([500, 600, 700, 550])

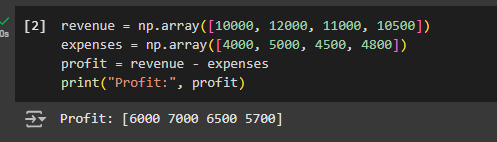
category2\_revenue = np.array([450, 700, 800, 600])



2. Calculate the profit made by a company.

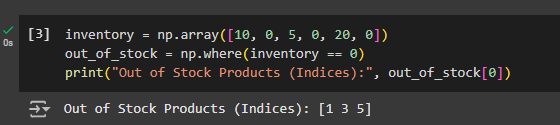
Input: revenue = np.array([10000, 12000, 11000, 10500])

expenses = np.array([4000, 5000, 4500, 4800])



3. Determine which products in a store are out of stock (quantity is 0).

Input: inventory = np.array([10, 0, 5, 0, 20, 0])



4.Calculate the total cost of items in a shopping cart, considering the quantity and price per item.

Input: quantity = np.array([2, 3, 4, 1])

price\_per\_item = np.array([10.0, 5.0, 8.0, 12.0])

