# Question 1 (Numpy):

| import numpy as np  # Create a NumPy array with numbers 1 to 100 arr = np.arange(1, 101)  # Reshape the array into a 10x10 array arr\_reshaped = arr.reshape(10, 10)  # Calculate the sum of each row row\_sums = np.sum(arr\_reshaped, axis=1)  # Find the row with the maximum sum max\_sum\_row = np.argmax(row\_sums)  print("Array:") print(arr\_reshaped) print() print("Row Sums:") print(row\_sums) print() print("Row with Maximum Sum:", max\_sum\_row) |
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# Question 2(Numpy):

| import numpy as np  # Create a 2D NumPy array with dimensions 5x5 arr = np.random.randint(1, 10, (5, 5)) print("Original Array:") print(arr)  # Calculate the mean value of the last column mean\_value = np.mean(arr[:, -1])  # Replace the last column with the mean value arr[:, -1] = mean\_value  print("Mean Array:") print(arr) |
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