6. Print and find the sum of diagonal elements in a 2D array (square matrix)

def print\_and\_sum\_diagonal(matrix):

n = len(matrix)

diagonal\_sum = 0

print("Diagonal elements:")

for i in range(n):

print(matrix[i][i], end=' ')

diagonal\_sum += matrix[i][i]

print()

print("Sum of diagonal elements:", diagonal\_sum)

# Example usage:

matrix = [

[1, 2, 3],

[4, 5, 6],

[7, 8, 9]

]

print\_and\_sum\_diagonal(matrix)