**WONG KAI YUAN (DC026157) Wednesday 1130-1245 (Assignment 10)**

**A = [[1,2,3],[4,5,6],[7,8,9]]**

**B = [[9,8,7],[6,5,4],[3,2,1]]**

**C = [[0,0,0],[0,0,0],[0,0,0]]**

**print ("C1 is a 3x3 matrix, the result of A+B = ")**

**for i in range(3):**

**for j in range(3):**

**print(A[i][j]+B[i][j], end=' ')**

**print()**

**print()**

**print ("C2 is a 3x3 matrix, the result of A-B = ")**

**for i in range(3):**

**for j in range(3):**

**print(A[i][j]-B[i][j], end=' ')**

**print()**

**print ("C3 is a 3x3 matrix, the result of A\*B = ")**

**for i in range(3):**

**for j in range(3):**

**C[i][j] = A[i][0]\*B[0][j] + A[i][1]\*B[1][j] + A[i][2]\*B[2][j]**

**for i in range(3):**

**for j in range(3):**

**print(C[i][j], end=' ')**

**print()**