Sheet III
2D Arrays

1. Write a C program that calculates the sum of two given matrices "A" & "B". The result should be stored into a third Array "C". All the matrices are of type (int) and have size of 3x4.

2. Write a C program that transposes a given matrix A. The type for matrix A is (int) and its size is 3x5.

3. Write a C program tha claculates the sum of all the elements on the Forward and Backward diagonal of Matrix A. Matrix A has a size of 4x4 and is of type (int)

4. Write a C program that multiplies two given matrices "A" & "B". The size for matrix A is 3x4 and matrix B is 4x2. The matrices are all of type (int)

5. Repeat Problem 1 using functions.