



COLLEGE OF ENGINEERING & TECHNOLOGY

Department : Computer Engineering
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Course : Programming Applications
Course No. : CC213
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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 that calculates 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.