

# Assignment 5

- Q1. WAP to Reverse an array in memory
- Q2. WAP to Addition of two arrays
- Q3. WAP Polynomial evaluation where coefficients are stored in an array  
 $a_0x^n + a_1x^{n-1} + a_2x^{n-2} + \dots + a_n$
- Q4. WAP for Addition, Subtraction, Multiplication of two matrices
- Q5. WAP for Transpose of a matrix
- Q6. WAP for Trace of a matrix
- Q7. WAP for Determinant for  $2 \times 2$ ,  $3 \times 3$  matrices
- Q8. WAP to Solving linear equations  
 $a_1x + b_1y = c_1$ ;  $a_2x + b_2y = c_2$   
 $a_1x + b_1y + c_1z = d_1$ ;  $a_2x + b_2y + c_2z = d_2$ ;  $a_3x + b_3y + c_3z = d_3$
- Q9. WAP for Generation of identity, null matrices
- Q10. WAP for Checking whether given matrix is identity or not?
- Q12. WAP for Checking whether given matrix is null or not?