**Assignment\_06(part-01)**

Q21. Write a C program to left rotate an array.  
  
Q22. Write a C program to right rotate an array.  
  
Q23. Write a C program to add two matrices.  
  
Q24. Write a C program to subtract two matrices.  
  
Q25. Write a C program to perform Scalar matrix multiplication.  
  
Q26. Write a C program to multiply two matrices.  
  
Q27. Write a C program to check whether two matrices are equal or not.  
  
Q28. Write a C program to find sum of main diagonal elements of a matrix.  
  
Q29. Write a C program to find sum of minor diagonal elements of a matrix.  
  
Q30. Write a C program to find sum of each row and column of a matrix.  
  
Q31. Write a C program to interchange diagonals of a matrix.  
  
Q32. Write a C program to find upper triangular matrix.  
  
Q33. Write a C program to find lower triangular matrix.  
  
Q34. Write a C program to find sum of upper triangular matrix.  
  
Q35. Write a C program to find sum of lower triangular matrix.  
  
Q36. Write a C program to find transpose of a matrix.  
  
Q37. Write a C program to find determinant of a matrix.  
  
Q38. Write a C program to check Identity matrix.  
  
Q39. Write a C program to check Sparse matrix.  
  
Q40. Write a C program to check Symmetric matrix.