**Assignment 6b: 1-Dimensional and 2-Dimensional Array**

1. Write a C program to reverse the array.
2. Write a C program to sort the given array.
3. Write a C program to search a given number using linear search.
4. Write a C program to search a given number using binary search.
5. Write a C program to convert a decimal number into binary.
6. Write a C program to find the occurrence of an integer in the array.
7. Write a C program to add two matrices.
8. Write a C program to subtract two matrices.
9. Write a C program to perform scalar matrix multiplication.
10. Write a C program to multiply two matrices.
11. Write a C program to find sum of main diagonal elements of a matrix.