(Do all the programs and options using functions/modules)

1. Write a menu driven program to do the following:
    1. Display n terms of natural numbers and display their sum
    2. Read n numbers from the user and to display the sum and average
    3. Display cube of numbers up to n
    4. Display square of numbers up to n
2. Write a menu driven program to do the following:
    1. Display Fibonacci series up to n
    2. Display a number is reverse order
    3. Find the sum of digits of a number

3. Write a menu driven-program to do the following:
    1. Linear search
    2. Selection Sort
    3. Bubble Sort
    4. Insertion Sort
4. Write a menu driven program to do the following:
    1. Display the unique elements in an array
    2. Display the array by removing the duplicate elements in the array
    3. Merge two arrays in descending order
    4. Insert a new value at its correct position in the array which is sorted in ascending order
5. Write a menu driven program to do the following:
    1. Read an array and display it in the matrix-form
    2. Check whether an array is a sparse array(if count of zero elements are more than half- we can call it a sparse array)
    3. to find the largest sum of contiguous subarray of an array
    (The given array is : 8 3 8 -5 4 3 -4 3 5
    The largest sum of contiguous subarray is : 21)