Assignment 5

1. Write a C program to display the Fibonacci series upto n terms (where n should be taken as user input).
2. Write a C program to find out the largest number from an integer array.
3. Write a C program to find out the smallest number from an integer array.
4. Write a C program to find out the largest and smallest numbers from an integer array.
5. Write a C program to linearly search for an element in an array. If found, display the position of the first occurrence of the element in the array.
6. Write a C program to count the number of odd numbers and even numbers in an integer array.
7. Write a C program to count the number of positive numbers and negative numbers in an integer array.
8. Write a C program to find the sum of odd numbers and sum of even numbers in an integer array.
9. Write a C program to find the sum of positive numbers and sum of negative numbers in an integer array.
10. Write a C program to display the elements of an array in reverse order.
11. Write a C program to reverse an array.
12. Write a C program to insert an element in a particular position in an array.
13. Write a C program to delete an element from a particular position in an array.
14. Write a C program to find the length of a string without using any string library functions.
15. Write a C program to copy one string to another string without using strcpy( ).
16. Write a C program to reverse a string without using strrev( ).
17. Write a C program to concatenate 2 strings without using strcat( ).
18. Write a C program to convert a string to lowercase without using any string library functions.
19. Write a C program to convert a string to uppercase without using any string library functions.
20. Write a C program to check whether a string is a palindrome or not.
21. Write a C program to find the initials of a name entered as string.
22. Write a C program to count the number of vowels, consonants and spaces in a string.
23. Write a C program to enter the name, age and year of 2 students from the user and display these details to the output screen.
24. Write a C program to enter the name, age and salary of n number of employees from the user and display these details to the output screen.