

## Lab Assignment II

1. Write a program to read 10 numbers from user and display it on the screen.
2. Write a program to display smallest and largest element from N number of array elements.
3. Write a program to search an element from N number of array elements.
4. Write a program to sort N numbers in ascending order.
5. Write a program to sort N numbers in descending order.
6. Write a program that takes a 1-D array of integers as input and removes all duplicates from the array.
7. Write a program that takes a 1-D array of integers as input and replaces each element with the sum of its neighbours.
8. Write a program to read any 3×3 matrix and display it in appropriate format.
9. Write a program to display the sum of all elements of any 4×4 matrix.
10. Write a program to display sum of diagonal elements of any given 3×3 matrix.
11. Write a program to display sum of each row of any given n×m matrix.
12. Write a program to display transpose of any given n×m matrix.
13. Write a program to display sum of each column of any given n×m matrix.
14. Write a program to display the sum of any given two n×m matrix.
15. Write a program to display the product of any given two n×m matrix.
16. Write a program to read N students name and display them in alphabetical order.
17. Write program to read a line of text and count no of vowel, no of consonant, no of digits and no of spaces.
18. Write a program to check whether a given string is palindrome or not.