

**GLS UNIVERSITY**  
**GLS INSTITUTE OF COMPUTER APPLICATIONS**  
**0301205 PRACTICAL ON IOOP**  
**BCA Sem – II**  
**Practical Assignment – III**

**List of Practical Programs:**

1. Write a C++ program to find largest element in an array.
2. Write a C++ program to reverse elements of an Single Dimension Array.
3. Write a C++ program to sort all the elements of an array in ascending order.
4. Write a C++ program to find maximum and minimum element of an array.
5. Write a C++ program to perform insertion operation in an array.
6. Write a C++ program to merge two single dimension arrays to an another array.
7. Write a C++ program to perform deletion operation in an array.
8. Write a C++ program that will ask user to input month and display number of days in that particular month.  
Note: Take two single dimension array.
9. Write a C++ program that will find addition of two matrices.
10. Write a C++ program that will find transpose of a matrix.
11. Write a C++ program that will find subtraction of an matrices.
12. Write a C++ program to find sum of all the diagonal elements of a matrix.
13. Write a C++ program that will find multiplication of two matrices.
14. Write a C++ program that will generate diagonal matrix of a given matrix.
15. Write a C++ program to find smallest element in an array.  
Note: Pass Array as an argument to function.
16. Write a C++ program to find addition of two single dimension array of same size and store result in another array.  
Note: Both the Arrays Must be passed as an argument to function.
17. Write a C++ program to find the sum and average of all the elements of an array.  
Note: Pass Array as an argument to function.
18. Write a C++ program to find product of all the elements which are divisible by seven of an array.  
Note: Pass Array as an argument to function.
19. Create a pointer variable of type integer and store an address of a integer variable and print the value using pointer.
20. Create a pointer variable of type float and store an address of a float variable and print the value using pointer.
21. Create a pointer variable of type double and store an address of a double variable and print the value using pointer.
22. Create a pointer variable of type char and store an address of a char variable and print the value using pointer.
23. Write a C++ program for Addition, multiplication, subtraction, division of two pointer

variable which has the address of another variable.

24. Write a C++ Program to swap two numbers using pointers and function.
25. Write a C++ Program to find largest out of three numbers using pointer.
26. Write a C++ Program to find the factorial of a given number using pointer.
27. Write a C++ Program to find addition and multiplication of two number using call by reference.
28. Write a C++ Program to to find addition and multiplication using function pointer.
29. Write a C++ program to pass three subjects marks as a argument to function and find the grade of a student using function and pointer. (Passing pointers to functions)
- 30.** Write a C++ program to pass three subjects marks as a argument to function and return the grade of a student using function and pointer.  
(Passing pointers to function and return pointer from a function)
31. Create an single dimension array of integer type and access it with the help of pointer.
32. Write a C++ Program to find the sum of six numbers with arrays and pointers.
33. Create an double dimension array of integer type and access it with the help of pointer.