



**UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING**  
**COMPUTER SCIENCE DEGREE PROGRAMME**  
**FIRST YEAR**

**SCS 1202 - Programming Using C**  
**Tutorial 06**

1. Write a program in C to add two numbers using pointers.
2. Write a program in C to add numbers using call by reference.
3. Write a program in C to find the maximum number between two numbers using a pointer.
4. Write a program in C to store n elements in an array and print the elements using pointers.
5. Write a program in C to find the largest element using Dynamic Memory Allocation.
6. Write a program in C to calculate the length of the string using a pointer.
7. Write a program in C to swap elements using call by reference.
8. Write a program in C to find the factorial of a given number using pointers.
9. Write a program in C to print all permutations of a given string using pointers.
10. Write a program in C to count the number of vowels and consonants in a string.
11. Write a program in C to sort an array using a pointer.
12. Write a program in C to compute the sum of all elements in an array using pointers.
13. Write a program in C to print the elements of an array in reverse order using pointers.
14. Write a program in C to print a string in reverse order.
15. Write a program in C to print all the alphabets using a pointer.