Programming Lab			0-0-3: 1.5
Sl. No.	**Expt. No.**	**Experiment Details**	
1	1	Write a program to print your Bio-data.	
	2	Write a program in C to test the arithmetic operators.	
	3	Write a program to find out the simple interest and compound interest with the given input data.	
2	1	Write a program to test the logical, bitwise, unary and ternary operators with the given input data.	
	2	Write a program to check an inputted year is leap year or not.	
	3	Write a program to calculate the salary of an employee given his basic pay, DA, HRA and TA. Display the output in format of salary statement.	
3	1	Write a program to enter the marks of a student in 4 subjects. Then calculate the total, Aggregate %, and display the grades obtained by the student.	
	2	Write a program to enter a number from 1-7 and display the corresponding day of the week using switch case statement.	
	3	Write a program using switch case that read 4 nos. and display a menu that offers 4 options: calculate total, calculate average, display the smallest, and the largest number.	
4	1	Write a program to check a given number is palindrome or not.	
	2	Write a program to generate prime numbers present between two given numbers.	

	3	Write a program to print the following pyramid star pattern.
		
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5	1	Write a program that will accept an array, and find the largest number, smallest number, sum of the elements and average of the elements present in the array.	
	2	Write program that will accept an array and sort the array in ascending order. Display both the unsorted and unsorted arrays.	
	3	Write a program that will insert an element at a desired position of an array. Show the array before insertion and after insertion of the new element (Array, element and position will provided by the user)	
6	1	Write a program to swap the value of two inputted variable using function. Show the initial value and value after swapping.	
	2	Write a program to print the Fibonacci series using function.	
	3	Write a program that will accept two matrices using function and multiply them using function and show the result using function.	
7	1	Write a program to find the GCD among two given number using recursion.	
	2	Write a program to accept student data in a structure and display the structure elements.	
	3	Check a inputted string is palindrome or not using pointer.	
8	1	Write a program to read and print an array of n numbers, then find out the smallest number and its position in the array. Perform all these operations using pointer and function.	
	2	Write a program to implement realloc() and free().	
	3	Declare a pointer; allocate a block of memory to it using Dynamic Memory Allocation. Input a set of integers to the allocated memory block. The display the set of numbers.	
9	1	Write a program to implement insertion and deletion of an element using linked list.	
	2	Write a program to implement Push and Pop operations in Stack.	
	3	Write a program to implement insert and delete operations in Queue.	
10	1	Write a program to implement Quick Sort algorithm using C.	
	2	Write a program to search an element using Linear Search algorithm.	
	3	Write a program to search an element using Binary Search algorithm.	