

**Year: 1      Semester: 1**  
**Subject: FUNDAMENTAL OF PROGRAMMING**  
**Code: CC103-N**

### List of experiments

SR_No	Practical set-1	Date	Sign
1	Write a program to print your address.		
2	Write a program to perform average of five variables.		
3	Write a program to print area of circle, rectangle and square.		
4	Write a program to convert years into minutes.		
5	Write a program to perform all the arithmetic operations together in a single program.		
	<b>Practical set-2</b>		
6	Write a program to print a character entered by user.		
7	Write a program to convert small letter case to upper letter case.		
8	Write a program to swap the values of two variables using third variable.		
9	Write a program to swap the values of two variables without using third variable.		
10	Write a program to find maximum and minimum numbers from two numbers by using Conditional operator.		
11	Write a program to demonstrate bitwise operator.		
	<b>Practical set-3</b>		
12	Write a program to check whether the entered number is odd or even by using if else statement.		
13	Write a program to check whether entered character is alphabet, digit or special symbol.		
14	Write a program to find whether entered year is leap year or not.		
15	Write a program to check how many days are there in entered month by using switch case.		
16	Write a program to check whether entered character is vowel or consonant by using switch statement		
17	Write a program to get maximum number among three		
18	Write a program to calculate grade of given marks		
19	Write a program to print first 10 integers by using go to statement.		
20	Write a program to print addition of first n numbers by using go to statement.		
	<b>Practical set-4</b>		

<b>21</b>	Write a program to find reverse of given numbers. (Example 132-231)		
<b>22</b>	Write a program to check whether entered number is Armstrong or not.		
<b>23</b>	Write a program to check whether entered number is palindrome or not.		
<b>24</b>	Write a program to print factorial of a given number.		
<b>25</b>	Write a program to check whether entered number is prime or not.		
<b>Practical set-5</b>			
<b>26</b>	Write a C program to find $1+1/2+1/3+1/4+....+1/n$ .		
<b>27</b>	Write a program to add numbers until the user enters zero		

<b>28</b>	<p>Write a program to print following patterns :</p> <pre> i  *           ii      *           iii * * * * *    **          *  *          * * * *    ***        * * *          * * *    ****      * * * *          * *    *****  * * * * *          *</pre>		
<b>29</b>	<p>Write a program to print following patterns :</p> <pre> i  1    12    123    1234    12345  ii 55555    4444    333    22    1</pre>		
<b>Practical-6</b>			
<b>30</b>	Write a program to print 1 to 5 numbers using array.		
<b>31</b>	Write a program to print 1 to 5 reverse numbers using array.		
<b>32</b>	Write a program to find sum and average of five numbers.		
<b>33</b>	Write a program to find maximum and minimum number from given array.		
<b>34</b>	Write a program to find number of positive, negative and zero from given array.		
<b>35</b>	Write a program to sort given n number using array.		
<b>36</b>	Write a program to read matrix, display original and transpose of matrix.		

37	Write a program to delete duplicate array elements.		
38	Write a program to read and display 5 integer values in 1-D array.		
	<b>Practical set-7</b>		
39	Write a program to copy one string to another string.		
40	Write a program to concatenate two strings		
41	Write a program to find length of given string.		
42	Write a program to find length of given string without using string function.		
43	Write a program to copy one string to another string without using string function.		
44	Write a program to compare two strings.		
45	Write a program to reverse a given string.		
46	Write a program to find given string is palindrome or not.		
47	Write a program to convert a given string into upper case string.		
	<b>Practical set-8</b>		
48	Write a user defined function (UDF) to print whether entered number is odd or even.		
49	Write a program to add first n numbers using user defined function (UDF).		
50	Write a program to find out average of first n numbers using user defined function (UDF).		
51	Write a program to check prime and Armstrong number by making functions.		
	<b>Practical set-9</b>		
52	Write a program to declare structure student having member's grade, name and roll number and access them in various ways.		
53	Write a program using structure to get name, roll number, and marks of a student's of a class and find out who got highest marks. Use concept of structure within structure.		
54	Write a program to create an employee structure having member's name, salary, Get data in employee structure through one function and display data using another function. Use concept of struct and function.		
	<b>Practical set-10</b>		
55	Write a program to declare and use pointer variables.		
56	Write a program to swap two values with help of call by value and call by reference.		
57	Write a program to find length of string using pointer and without using string functions.		
58	Write a C program to print the address of character and the character of string using pointer.		
59	Write a program to access elements using pointer.		

	<b>Practical set-11</b>		
<b>60</b>	Write a program to write the characters into file from standard input and then read the characters.		
<b>61</b>	Write a program to write the integers into file from standard input and then read the integers.		
<b>62</b>	Write a program that creates the structure of student and Scan the data of n students and store.		
<b>63</b>	Write a program that copies the contents of one file into another.		
<b>64</b>	Write a program that appends the content of file at the end of the other.		