1. Practical Set 1 (Basics)

1. Write a program to print HELLO FRIENDS!
2. Write a program that reads two nos. from key board and gives their addition, subtraction, multiplication, division and modulo.
3. Write a program to calculate area of circle,use Ω as symbolic constants.
4. Write a program to convert days into months and days.
5. Write a program which calculates the summation of three digits from the given 3 digit number.
6. Write a program to demonstrate enumerates data type.
7. Write a program to compute Fahrenheit from centigrade.
8. Write a program to calculate simple interest.
9. Read the price of item in decimal form e.g. 12.50 and separate Rs and Paise from the given value e.g. 12 rupees and 50 paise.

2. Practical Set 2 (Control Structures)

1. Write a program to find the largest of the three nos. using Nested-If-Else statement.
2. Write a C program to enter a character and to check whether it is a small letter or it is a capital letter or it is a digit or it is a special symbol.
3. Write a program to read marks from keyboard and your program should display equivalent grade according to following table.

Marks	Grade
100-80	Dist
60-79	First Class
35-59	Second Class
0-34	Fail

1. Write a program to read marks of a student from keyboard whether the student id pass (if).
2. Write a program to find the sum of first N odd numbers.
3. Write a program using while loop construct which finds the factorial of a given integer number.
4. Write a C program using do…while and for loop constructs to reverse the digits of the number.
5. Write a program to demonstrate use of Switch- Break Statement.
6. Write a program to find out all the numbers divisible by 5 and 7 between 1 to 100.

Check for Armstrong number. A number is Armstrong if sum of cube of every digit is same as the original number. E.g. 153=13+53+33=153

1. Write a program to print the output of bellow series. 1!+2!+3!+4!+..... n!
2. Write a program to print the following outputs using for Loop.

(a) 1
12
123

(b) *
**
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1. Write a program to print the following outputs using for Loop.

(a) 1
21
321

(b) 321
21
1

3. Practical Set 3 (Array & Strings)

1. Write a program which sorts 10 numbers into ascending order.
2. Write a program to find maximum element from 1-D array.
3. Write a program to find number of odd and even elements from the 1-D array.
4. Write a program add two 2x2 matrices.
5. Write a program to count number of positive, negative and zero elements from 3x3 matrix.
6. Write a function for the following operations on string:

Copy one string to another
Comparing two strings
Adding a string to the end of another.

1. Write a program to count vowels from a entered String.
2. Write a program which finds whether a string is a palindrome or not.

4. Practical Set 4 (Functions)

1. Write a program to find factorial of a number using recursion.
2. Write a program that used user defined function Swap ( ) and interchange the value of two variable.
3. Write a function to return 1 if the number is prime otherwise return 0.

5. Practical Set 5 (Structures)

1. Define a structure type, personal that would contain person name, date of joining and salary.
2. Define a structure called cricket that will describe the following information: Player name Team name Batting average

6. Practical Set 6 (Pointers)

1. Write a program to add two numbers using pointers.
2. Write a program to swap two numbers using pointer

7. Practical Set 7 (File Management)

1. Write a program to illustrate reading files contents.
2. Write a program to illustrate the use of fgets( ).