<table>
<tr><td>1</td><td>OPERATORS AND EVALUATION OF EXPRESSIONS
1. Write a program that works as a calculator (addition, multiplication, division, subtraction).
2. Write a program to find area of triangle(a=h*b*.5)
a = area, h=height, b=base
3. Write a program to calculate simple interest (i = (p*r*n)/100)
Simple interest where p = Principal amount r = Rate of interest
n = Number of years
4. Write a C program to interchange two numbers with and without using third variable.
5. Write a program to display the size of every data type using “sizeof” operator.
6. Write a C program to enter a distance in to kilometer and convert it in to meter, feet, inches and centimeter
7. Write a program to compute Fahrenheit from centigrade (f=1.8*c +32)
8. Write a program to illustrate the use of unary prefix and postfix increment and decrement operators.</td><td>YES</td></tr>
<tr><td>2</td><td>Decision Making
1. Write a C program to find that the accepted number is Negative or Positive or Zero.
2. Write a program to read marks of a student from keyboard whether the student is pass or fail(using if else)
3. Write a program to read three numbers from the keyboard and find out the maximum out of these three. (Nested if else).Write a C program to check whether the entered character is capital, small letter, digit or any special character.
4. Write a program to read marks from keyboard and your program should display equivalent grade according to following table(if else ladder)
Marks — Grade
100 - 80 — Distinction
79 - 60 — First Class
59 - 40 — Second Class
< 40 — Fail
5. Write a C program to prepare payslips using the following data. Da = 10% of basic, Hra = 7.50% of basic, Ma = 300,
Pf = 12.50% of basic, Gross = basic + Da + Hra + Ma, Nt = Gross – Pf.
6. Write a C program to read no 1 to 7 and print relatively day Sunday to Saturday.
7. Write a C program to find out the Maximum and Minimum number from given 10 numbers
8. Write a C program to input an integer number and check if the last digit of the number is even or odd.</td><td>YES</td></tr>
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3	**Looping**
	1. Write a C program to find the factorial of a given number.
	2. Write a program to reverse a number.
	3. Write a program to generate first *n* number of Fibonacci series
	4. Write a program to find out the sum of the first and last digit of a given number.
	5. Write a C program to find the sum and average of different numbers which are accepted by user as many as user wants
	6. Write a program to check whether the given number is prime or not
	7. Write a program to evaluate the series 1^2+2^2+3^2+.....+n^2
	8. Write a C program to find 1+1/2+1/3+1/4+1/n.
	9. Write a program to print following patterns :
	`*` `*` `*****`
	`**` `* *` `****`
	`***` `* * *` `***`
	`****` `* * * *` `**`
	`*****` `* * * * *` `*`
	10. Write a program to print following patterns :
	`1` `12345` `55555` `1`
	`12` `1234` `4444` `22`
	`123` `123` `333` `333`
	`1234` `12` `22` `4444`
	`12345` `1` `1` `55555`
		YES

4	**Arrays & Strings** 1. Write a C program to read and store the roll no and marks of 20 students using an array. 2. Write a program to find out which number is even or odd from list of 10 numbers using array 3. Write a program to find the maximum element from a one-Dimensional array. 4. Write a Program to Search an element in array. 5. Write a Program to perform addition of all elements in Array. 6. Write a Program to reverse the array elements in C Programming. 7. Write a Program for deletion of an element from the specified location from Array. 8. Write a program to find a character from a given string. 9. Write a program to replace a character in a given string. 10. Write a program to delete a character in a given string. 11. Write a program to reverse string. 12. Write a program to convert string into upper case	YES

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5	**Functions** 1. Write a program that defines a function to add first *n* numbers. 2. Write a function in the program to return 1 if number is prime otherwise return 0 3. Write a function Exchange to interchange the values of two variables, say x and y illustrates the use of this function in a calling function. 4. Write a C program to check whether a number is prime, Armstrong or perfect number using functions. 5. Write a program to find the factorial of a number using recursion. 6. Write a program to calculate sum of first 20 natural numbers using recursive function. 7. Write a program to generate Fibonacci series using recursive function. 8. Write a program to find sum of digits of the number using Recursive Function. 9. Write a function that will scan a character string passed as an argument and convert all lowercase character into their uppercase equivalents	YES	-	-
6		YES		

	an argument and convert all lowercase character into their uppercase equivalents
6	**Pointers** 1. Write a program to print the address of a variable using a pointer. 2. Write a C program to swap the two values using pointers. 3. Write a C program to print the address of a character and the character of string using a pointer. 4. Write a program to add two numbers using pointers. 5. Write a program to input and print array elements using pointer. 6. Write a program to copy one array to another using pointer. 7. Write a program to swap two arrays using pointers. 8. Write a program to access elements using a pointer. 9. Write a program for sorting using a pointer.
7	**Structures**

7	**Structures** 1. Write a program to read structure elements from the keyboard. 2. Design a structure student_record to contain name, branch and total marks obtained. Develop a program to read data for 10 students in a class and print them. 3. Write a program to add two distances in feet and inches using structure 4. Write a program to read and print an Employee‟s Details using Structure. 5. Write a program to declare, initialize an UNION.	

8	**File Handling in C** 1. Write a program to write a string in file 2. A file named data contains a series of integer numbers. Write a c program to read all numbers from a file and then write all odd numbers into a file named “odd” and write all even numbers into a file named “even”. Display all the contents of these file on screen 3. C Program to count number of lines in a file 4. C Program to print contents of file 5. C Program to copy contents of one file to another file 6. C Program to merge contents of two files into a third file
9	**Graphics Functions :** 1. Write a Program to draw a point, arc, line, and circle. 2. Write a Program to draw a rectangles and polygons. 3. Write a Program to fill polygons.
10	**OEP**