Chapter 1 : Basic C Programs

| **No** | **Programs** |
| --- | --- |
| 1 | Print Hello Word |
| 2 | Declaring Variable and Printing its Value |

Chapter 2 : Area Programs

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to Calculate Area and Circumference of Circle |
| 2 | C Program to Calculate Area of Scalene Triangle |
| 3 | C Program to Calculate Area of Equilateral Triangle |
| 4 | C Program to Calculate Area of Right angle Triangle |
| 5 | C Program to Calculate Area of Circle |
| 6 | C Program to Calculate Area of Rectangle |
| 7 | C Program to Calculate Area of Square |
| 8 | C Program to Calculate Area of Circle using Pointer |

Chapter 3 : Mathematical Programs

| **No** | **Programs** |
| --- | --- |
| 1 | Compute sum of the array elements using pointers ! |
| 2 | Find exponent Power Series !! |
| 3 | Read the values of x y and z and print the results expressions in one line. |
| 4 | Reads customer number and power consumed and prints amount to be paid |
| 5 | Find greatest in 3 numbers |
| 6 | Calculate gross salary of a person. |
| 7 | Reverse a given number ! |
| 8 | Calculate sum of 5 subjects and Find percentage |
| 9 | Convert temperature from degree centigrade to Fahrenheit |
| 10 | Find the simple interest |
| 11 | Find area and circumference of circle |
| 12 | Find sum of two numbers |
| 13 | Solve Second Order Quadratic Equation |
| 14 | Find Factorial of Number Using Recursion |
| 15 | Find Factorial of Number without using function |
| 16 | Print table of n and square of n using pow() |

Chapter 4 : Number Programs in C Programming

| **No** | **Programs** |
| --- | --- |
| 1 | Calender Program in C Programming Language : Display Day of the month |
| 2 | Find greatest in 3 numbers |
| 3 | Reverse a given number ! |
| 4 | Swap of two no’s without using third variable |
| 5 | Calculate sum of 5 subjects and find percentage |
| 6 | Find sum of two numbers |
| 7 | Generate the Fibonacci Series starting from any two numbers |
| 8 | Print First 10 Natural Numbers |
| 9 | Find Factorial of Number Using Recursion |
| 10 | Check Whether Given Number is Palindrome or Not ???? |
| 11 | Check Whether Number is Prime or not |
| 12 | Check for Armstrong Number in C |
| 13 | Check Whether Number is Perfect Or Not |
| 14 | Print All ASCII Value Table in C Programming |
| 15 | Find Factorial of Number without using function |

Chapter 5 : 1-D Array Programs

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to implement Stack Operations Using Array |
| 2 | C Program to read integers into an array and reversing them using pointers |
| 3 | C Program to delete duplicate elements in an array |
| 4 | C Program to calculate Addition of All Elements in Array |
| 5 | C program to find Smallest Element in Array in C Programming |
| 6 | C Program to find Largest Element in Array in C Programming |
| 7 | C Program to reversing an Array Elements in C Programming |
| 8 | Merging of Two arrays in C Programming |
| 9 | Searching element in array |
| 10 | copy all elements of an array into another array in C |
| 11 | Program Insert element in an Array |
| 12 | Program for deletion of an element from the specified location from Array |
| 13 | Printing Array Elements in C Language |
| 14 | C Program : Rading Array Elements |
| 15 | One Dimensional Array All Programs |

2-D Array Programs : C Programming

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to Check whether Matrix is Magic Square or Not ? |
| 2 | C Program to Print Square of Each Element of 2D Array Matrix |
| 3 | Program to find Transpose of Given Square Matrix |
| 4 | C Program to find addition of Lower Triangular Elements in C Programming |
| 5 | C program to calculate sum of Upper Triangular Elements in C |
| 6 | C Program to evaluate Subtraction of two matrices ( matrix ) in C |
| 7 | C program for addition of two matrices in C |
| 8 | Addition of Diagonal Elements in Matrix |
| 9 | Addition of All Elements in Matrix |
| 10 | Accessing 2-D Array Elements In C Programming |
| 11 | C Program to Find Inverse Of 3 x 3 Matrix in 10 Lines |
| 12 | C Program to Multiply Two 3 X 3 Matrices |

Command Line Arguments Programs : C Programming

| **No** | **Programs** |
| --- | --- |
| 1 | How to print all Arguments passed using Command Line in C ! |

Conversion Programs : C Programming

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to convert temperature from degree centigrade to Fahrenheit |
| 2 | Decimal to Binary using Bitwise and operator |
| 3 | Program to Convert Binary to Decimal number:Number System |
| 4 | Program for Decimal to Hexadecimal Conversion in C >> Number System |
| 5 | Program for Decimal number to Octal Conversion : Number System |
| 6 | Program to Convert Decimal number into Binary : Number System : |

Dos Programs : C Programming

| **No** | **Programs** |
| --- | --- |
| 1 | How to print all Arguments passed using Command Line in C ! |
| 2 | C Program to Add two numbers using Command Line Arguments Parameters |

File Handling Programs : C Programming

| **No** | **Programs** |
| --- | --- |
| 1 | C program to copy the contents of one file into another using fputc |
| 2 | C Program to read last n characters from the file ! |
| 3 | C program to convert the file contents in Upper-case & Write Contents in a output file |
| 4 | C Program to Compare two text/data files in C Programming |
| 5 | C Program to Write on Data File and Read From Data File |
| 6 | C Program to Copy Text From One File to Other File |
| 7 | How to display same source code as output in c programming? |

Recursive Programs : C Programming

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to print Fibonacci Series using recursion !!662">C Program to Multiply two Matrices using Recursion !! |
| 2 | C Program to calculate sum of numbers 1 to N using recursion |
| 3 | Find Sum of Digits of the Number using Recursive Function in C Programming |
| 4 | C Program to print Tower of Hanoi using recursion !! |
| 5 | Find Factorial of Number Using Recursion |

C Programs : Series

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to find exponent Power Series !! |

C Programs : Sorting

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to sort array of Structure in C Programming |
| 2 | C Program for sorting the list of Strings |
| 3 | C Program to Implement Bubble Sort in C Programming |
| 4 | Sorting Two Structures on the basis of any structure element and Display Information |
| 5 | Program to Implement Insertion Sort in C Programming |

C Programs : String Operations With using Library Function

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to Sort set of strings in alphabetical order using strcmp() |
| 2 | C Program to Convert String to Integer !! |
| 3 | Program to convert String into Uppercase Using Library Function |
| 4 | Program to convert String into Lowercase Using Library Function |
| 5 | Program to copy one string into other with using library function [ strcpy ] |
| 6 | Program to Concat Two Strings with using Library Function : Strcat |
| 7 | Find Length of String Using Library Function |

C Programs: String Operations Without using Library Function

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to count number of words digits and vowels using pointers in C Programming |
| 2 | C Program for sorting the list of Strings |
| 3 | C Program to Find Length of the String using Pointer |
| 4 | Write a C Program to Reverse Letter in Each Word of the Entered String |
| 5 | C Program to Encode a String and Display Encoded String ! |
| 6 | C program to Delete all occurrences of Character from the String. |
| 7 | C Program to Concat Two Strings without Using Library Function |
| 8 | C Program to Find Substring Of String Without Using Library Function !!! |
| 9 | C Program : Reverse String Without Using Library Function [ Strrev ] |
| 10 | C Program to Compare Two Strings Without Using Library Function [Strcmp] |
| 11 | C Program to Copy One String into Other Without Using Library Function. |
| 12 | Check Whether Character is Lowercase or Not without using Library Function |
| 13 | Check Whether Character is Uppercase or Not without using Library function |
| 14 | C Program to Count number of Uppercase and Lowercase Letters |
| 15 | Search occurrence of Character in String : |
| 16 | With using User-defined Function Write a Program to Find Length of String |
| 17 | Program to Find Length of String Without using Library Function |

C Programs : Structure Concept

| **No** | **Programs** |
| --- | --- |
| 1 | C Program to read and print name and other details of 50 students using Structure? |
| 2 | C Program to sort array of Structure in C Programming |
| 3 | C program to use structure within union & display the contents of structure elements |
| 4 | C Program to Calculate Size of Structure using Sizeof Operator |
| 5 | Sorting Two Structures on the basis of any structure element and Display Information |

C Programs : Typical Programs

| **No** | **Programs** |
| --- | --- |
| 1 | Calender Program in C Programming Language : Display Day of the month |
| 2 | C Program to show swap of two no’s without using third variable |
| 3 | How to write c program to count number of digits in number without using mod operator ? |
| 4 | How to Input Password in C : Validation of User name |
| 5 | How to write inline assembly language code inside C Program ? |
| 6 | Accept Paragraph using scanf in C |
| 7 | Print Hello word without using semicolon in C |
| 8 | Nested Printf statements : Example 2 |
| 9 | Printf inside printf in C : Example 1 |
| 10 | C program to add reversed number with Original Number ? |
| 11 | C program to reverse the digits of a number ? [ In 3 Steps ] |
| 12 | How to Add Digits of the Number Using Single Statement ? |
| 13 | Swap two numbers without using third variable and using XOR Operator in C Programming |
| 14 | How to Add two numbers without using arithmetic Operators in C Programming ? |
| 15 | How to Create Your Own Header File in C Programming ? |
| 16 | How to write C Program Without using Main Function (in 3 ways) ? |
| 17 | Swap / Interchange two variables [numbers] without using Third Variable |
| 18 | How do i Return Multiple Values From a Function ? |
| 19 | C Program to Create directory in C using Interrupts. |
| 20 | How to use Interrupts in C Programming ? |
| 21 | How to print 1-10 numbers without using Conditional Loop in C Programming ? |