1. Program to create, initialize, assign and access a pointer variable.
2. Program to swap two numbers using pointers.
3. Program to change the value of constant integer using pointers.
4. Program to print a string using pointer.
5. Program to count vowels and consonants in a string using pointer.
6. Program to read array elements and print with addresses.
7. Program to read and print student details using structure pointer, demonstrate example of structure with pointer.
8. Program to print size of different types of pointer variables.
9. Program to demonstrate example of double pointer (pointer to pointer).
10. Program to demonstrate example of array of pointers.
11. An Example of Null pointer in C
12. Making a valid pointer as NULL pointer in C
13. Modify value stored in other variable using pointer in C
14. C program to create memory for int, char and float variable at run time.
15. C program to input and print text using Dynamic Memory Allocation.
16. C program to read a one dimensional array, print sum of all elements along with inputted array elements using Dynamic Memory Allocation.
17. C program to read and print the student details using structure and Dynamic Memory Allocation.
18. C program to read and print the N student details using structure and Dynamic Memory Allocation.

1. C program to create, declare and initialize structure.
   This program will define a structure, declare an object of the structure and initialize the structure members.
2. C program to read and print an employee's detail using structure.
   This program will read and print the employee's details like name, employee id, salary etc using structure.
3. C program to demonstrate example of nested structure.
   This program will demonstrate example of Nested Structure in C language, how to define, declare and access the nested structure?
4. C program to demonstrate example structure pointer (structure with pointer).
   This program will demonstrate example of pointer to structure, structure pointer in C.
5. C program to demonstrate example structure pointer (structure with pointer) using user define function.
   This program will demonstrate example of pointer to structure, structure pointer using USER DEFINE FUNCTION in C.
6. C program to declare, initialize an union, example of union.
   Union example: this program will demonstrate example of union, how to define, declare a union and how to access of the members of union?
7. C program to demonstrate example of structure of array.
   Structure of Array: this program will demonstrate example of structure of array, how to declare an array within structure how to access its elements?
8. C program to add two distances in feet and inches using structure.
   This program will read two distances in feet and inches and add them; final result will be printed in the form of feet and inches using structure in C.
9. C program to extract individual bytes from an unsigned int using union.
   This program will read an integer number and extract its bytes using union in C language.
10. C program for passing structures as function arguments and returning a structure from a function.
    This program will demonstrate example for passing Structures as function arguments and returning a structure from a function in C language.
11. Calculate party expenses using C program.
    This program will read and calculate item prices used in party and divide the expenses amount in friends equally in C programming language.
12. C program to find the size of the union
    Here, we will create a union with some members and then we print the size of the union on the console screen. The union allocates the space of one member at a time.