

Dhaka University of Engineering & Technology, Gazipur
Computer Science and Engineering Department
CSE 1122 (Structured Programming Language Sessional)

These Programs illustrates on Structure, Pointer and Dynamic Memory Allocation in C.

- 1) Write a program to define a structure "person" which contains person name (string), gender (char - M/F), age (int) and address (string). Using this structure, your program should read this information for one person from the keyboard and print the same information on the screen.
- 2) Write a program to define a structure "distance" to store two distances which are in feet and inches. Finally, your program needs to add these two distances and print the total distance on the screen.
- 3) Write a program to compare two strings using pointers.
- 4) Write a program to sort array using pointers.
- 5) Write a program to search an element in array using pointer.
- 6) Write a program to create memory for int, char and float variable at run time.
- 7) Write a program to input and print text using Dynamic Memory Allocation.
- 8) Write a program to read a one dimensional array, print sum of all elements along with inputted array elements using Dynamic Memory Allocation.
- 9) Write a program to read and print the student details using structure and Dynamic Memory Allocation.