



Branch/Semester	B.Tech CSE (AI, ML & DS) / Semester I
Subject Name:	Computer Programming
Subject Code:	01CE2101
Assignment:	Practice Questions (Structures and Unions)
Date:	8 th October 2025
Faculty Name:	Prof. Abhishek Chauhan

Sr.	Question	CO	BL
1	Write a C program to define a structure Student with members id, name, and marks, and display the values entered by the user.	CO4	BL3
2	Create a structure Book with members title, author, and price. Write a program to input and display book details.	CO4	BL3
3	Write a C program to initialize and print structure members without taking input from the user.	CO4	BL3
4	Write a C program to declare a structure and access its members using the . (dot) operator.	CO4	BL3
5	Write a C program to demonstrate structure within structure (nested structure) for Student having Address structure inside it.	CO4	BL3
6	Write a C program to store and display details of 3 employees using an array of structures.	CO4	BL3
7	Write a program to copy data from one structure variable to another structure variable.	CO4	BL3
8	Write a program to pass a structure as a function argument and display its data inside the function.	CO4	BL3
9	Write a program to demonstrate accessing structure members using a pointer.	CO4	BL3
10	Write a C program using typedef with structure to simplify structure declaration.	CO4	BL3
11	Write a program to define and use a union named Data having members int a, float b, and char c. Display all values and observe the output.	CO4	BL3

12	Write a C program to compare how structure and union store data differently (by printing memory sizes).	CO4	BL4
13	Write a program using union to store either an integer, float, or character based on user choice.	CO4	BL3
14	Write a program to input student records (roll, name, marks) using structure and display all in formatted output.	CO4	BL3
15	Write a program that demonstrates the difference in memory size between a structure and a union having the same data members.	CO4	BL4