Advanced G programming Assignment-2

DO 1-to 01
Destinguish betreeen structures and
Unions
9 7 10
X. Define Structure. Illustrate with an example
how structure variables are declared with
different methods and also initialization of
2. Define Structure Illustrate with an example how structure variables are declared with different methods and also initialization of structures and accessing structure members.
3. Explain with an example: (i) Alsays of structures (ii) Alsays bithin structures (iii) Structures within structures
(i) Assays of structures
(ii) Asays within structures
(iii) Structures neithin structures
4. write a simple program to illustrate the
wethod of sending an entire eleveluse as
4. noeîte a single program to illustrate the arethod of sending an entire structure as a parameter to a function.
5. Explain reith an example, how the shaxing of a storage space done by union members.
6. Norte a c program to illustrate the significance of different storage classes wort scope, & lifetime of variables
sellation of Masi plan
siften g variables
The total and the service manufactors and services to 2 Finds
7. What is demanic meniory allocation? Explain reith general syntax and a program how dynamic meniory functions are used?
Neith general signax and a grognam how
dynamic menory functions are used:
Course Teacher
[San dhera S. U.]
Sandheja 8.6.)
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1. Write	e a C	program t	o perform	the following:
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- a) Define a structure named STUDENT having fields: rollno, name, ia1, ia2, ia3, cta.
 - b) read () reads the details of a student.
 - c) display () displays the details of the student.
 - d) compute () computes and displays the cie marks of the student.

2. Write a C program to perform the following:

- a) Define a structure named BOOK having fields: Title, Edition and Price.
 - b) read () reads the details of n books.
 - c) Display () displays the details of n books.
- d) compute () determine and display the title of the book corresponding to highest price.

3. Write a C program to perform the following:

- a) Define a structure named PLAYER having fields: name, score1, score2, score3
 - b) read () reads the details of n players.
 - c) display () displays the details of the n players.
 - d) compute () computes and displays the averages of each player.

4. Write a C program to perform the following:

- a) Define a structure named COMPLEX having fields: real, imag.
- b) read () reads a complex number.
- c) display() displays a complex number.
- d) Add () finds the sum of the two complex numbers.
- e) Diff () finds the difference between the two complex numbers.

- 5. Write a C program to perform the following:
 - a) Define a structure named TIME having fields: hh, mm, ss.
 - b) read () reads a time.
 - c) display() displays a time.
 - d) add() finds the sum of the two timings.
 - e) diff() finds the difference of the two timings