PdfEditor Trial Version asiable and use it. But in que case of a structure, first we have to design and declare a data etsucture before the Variables of that Type are declared and uses. Declaring Structure Variables: - It includes
the following elements: 1. The keyword struct 2. The structure tag name.

5. list of variable names suparates by commas 4. A terminating semicolon Accessing Structure Members: - The link bet a member and a variable is established using the member operator "." which is also known as 'dot operator' or 'period operator' Structure initialization :- like any other data, a structure variable can be initiadata, aut compile time. Rules for Initializing Structures;-There are few rules to keep in mind Blule initializing etructure variables at

Structures and Unions

Introduction: - A structure is a convenient tool for handling a group of lightally selated data items. Structure is a mechanism for packing data of different types. The kyword struct declares a structure. The general format of a structure definition us as follows:

struct tag-name data-type meusber!; data-type mentber?;

Arrays Vs Structures

An array is a collection of related data elements of same type. Ilsusture can have clements of different types.

#) An array is derived data type whereas a Structure is a programmer défines one.

18) Any array behaves like a suit in Lata type. All we have to do is to declare

compile-time. De connot initialize individual meutles inside the structure template. The orders of values enclosed in braces must match the order of members in the etructure définition. Instialization. We can initialize only the first few members and bave the rema-ining blank. The uninitialized members Should be only at the end of the list. 1) The uninitialized members will be assign nes défault values as follows: point numbers.

Point numbers.

P'(0' for characters and strings. colying And Comparing Structure variables:-=> Two variables of the same way as ordinary

can be copied the same way as ordinary

variables en => student! = student? Note: - C does not permit any lopical operation on structure variables. In case, we need to compare them, we may do so by comparing them, we may do so by comparing -x ment bers individually. en: skudent! == skudent? Soid

in C. fo enaugle: Stouct student ¿ char name(20]; int roune; Struct int sub[3];
int total
int percentage; 3 marks; Sstud! Structures and Functions: - There are Three the values of a structure can be transferred pan one function to another. The first method is to pass each menther of the structure as an actual argument of the function call. The actual arguments are then treated independently like W) The second method involves passing of a copy of the entire structure to the called function since pur function is working on a copy of the structure any Changes to structure mentoers with in the function are not reflected in the original

Structure. It is necessary for the function to return the entire structure such to the calling function. x) The third method involves the concepts called pointers to pass the structure as au argument. In Illus case the address Location of Ten structure is passed to the called function. The function can acress indisectly the entire structure and work x - x - x - x - x - x - x Struct

int count;

prointer inside the struct

float \*p;

prointer type pointer\*)

3 pto; ++pto > count; increaments count not pto. then the statement ++pto > count => (++pto) -> count; increaments fixt then linkto count. pto++ > count; increament pro often accessing count.

accessing count.

by the prints to.

i) \*pto >pt Inverseus p after accessing whatever it points to.

ii) \*pto >pt Inverseus p after accessing whatever it points to. 3) (\* pto > b) ++ Increments whatever p points to. 1) \*pto++>>> Increments pto after accessing whatever (SU.E)