	Chapter 9 - Structures
	Arrays and strings => Similar data (int, floot, cher)
	Structures can hold => dissimilar data
_	Syntax for creating Structures A C Structure can be created as follows:
	Struct employee ? int code; => This declares a new float Salary; user defined data - type! that name [10];
2/10	3; Semicolon is important
	We can use this user defined data type as follows:
	Struct employee e1; => Creating a Structure Variable Struct employee e1; => Creating a Structure Variable Struct employee e1; E1. Gode = 100; E1. Golary = 71.22;
	So a structure in C is a collection of variables of different types under a single name
	Quick Quiz: Write a program to store the details of 3 employees from user defined data. Use the Structure declared above
	the day of the start of the sta

Struct employee shubb = {0}; => All elements Set to C

	Structures in memory Structures are stored in contiguous memory locations For the structure e1 of type Struct employee, memory layout looks like this:
1	Structures are stored in continuous momory locations
	For the structure et al Libe Struct employee me more
	layout looks like this
	of selection (2 september 1 seed 2 bio)
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1	100 171.22 "How"
	Address - 78810 78814 78818
1	MUDICIN - 18810 78819 18818
一.	In an august of the amplaces into
-	In an array of structures, these employee instances are stored adjacent to each other.
-	ruce stored varjacent to each other.
	Palala de t
- 1	romer to stactures and
+	Pointer to structures A pointer to structure can be created as follows:
+	Sale Wol A THE A
+	Struct employee * ptr; ptr= & e1;
-	ptr= Lei;
+	
-	Now we can print structure elements using:
_	How he start condex s
	print f ("% d" (* ptr). Code);
	(chost and) i wai tool?
	Arrow Operator
	Instead of writing * 1 tr). Code we can use arrow
	Instead of writing * (ptr) code, we can use arrow operator to access structure properties as follows
	(* \$ptx). (ode Or pts -> Code
	2
	Here -> is known as the arrow operator.
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+	
	<u> </u>

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/	Danie Claritaria la o Conchiana	Share labels in other
urom	Passing Structure to a function A structure can be passed like any other data ty	to a function just
	Void Show (Struct employee	e); => function prototype
	Quick Quiz: Complete this the content of employee.	show function to display
1.000	Typedef keyword	keyword to create
	Eypedef is more Commonly	used with structures.
	Struct complex ? float real; => Struct float ing; for	ruct complex C1; C2; defining complex numbers
	3;	ed ready that evolutions
	typedef Struct Complex & float real;	Chale W Line in
4	float ing; => 3 complexNo;	Complex No C, C2; or defining complex numbers
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