

## STRUCTURE AND UNION



SLNO	QUESTION
1	What is the self-referential structure?
	When a structure is nested within the same structure and nested structure variable is a pointer is known as self-referential structure
2	What is slack byte of the structure?
	Every structure allocates memory in form of block, So when the data member of the structure doesn't properly accommodate in the block, few bytes of memory is lost in that block, which is known as slack byte or undefined byte of the structure.
3	What is the difference between structure and union
	Structure: 1. Each data members of a structure begins at different location 2. Size of structure is size of all data members Union: 1. Each data members of a structure begins at same location. 2. Size of union is longest data member size.
4	What two structure variable can't be compared?
	Two structure variable can't be compared, because of slack byte.
5	What do you mean by "active data member" of a union
	The first data member of a union is known as the active data member, which should be longest data member of the union.
6	What is application of structure?
	The application of structure is <ul style="list-style-type: none"><li>• To create memory link</li><li>• Data encapsulation</li><li>• Bit field</li></ul>
7	What is the use of bit-field?
	Bit-field is created using a structure. It is used to create the protocol header and developing different fonts
8	What is the application of union?
	Application of union is : to create a share memory, so locking mechanism will be implemented
9	How to compare between two different structure?
	Only using byte-order comparison
10	What is application of self-referential structure?
	Self referential structure is used only for memory link.