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| **Difference between structure and union:** | | |
| **Parameter** | **Structure** | **Union** |
| Keyword | A user can deploy the keyword **struct** to define a Structure. | A user can deploy the keyword **union** to define a Union. |
| Internal Implementation | The implementation of Structure in C occurs internally- because it contains separate memory locations allotted to every input member. | In the case of a Union, the memory allocation occurs for only one member with the largest size among all the input variables. It shares the same location among all these members/objects. |
| Accessing Members | A user can access individual members at a given time. | A user can access only one member at a given time. |
| Syntax | The Syntax of declaring a Structure in C is:  struct [structure name]  {  type element\_1;  type element\_2;  .  .  } variable\_1, variable\_2, …; | The Syntax of declaring a Union in C is:  union [union name]  {  type element\_1;  type element\_2;  .  .  } variable\_1, variable\_2, …; |
| Size | A Structure does not have a shared location for all of its members. It makes the size of a Structure to be greater than or equal to the sum of the size of its data members. | A Union does not have a separate location for every member in it. It makes its size equal to the size of the largest member among all the data members. |
| Value Altering | Altering the values of a single member does not affect the other members of a Structure. | When you alter the values of a single member, it affects the values of other members. |
| Storage of Value | In the case of a Structure, there is a specific memory location for every input data member. Thus, it can store multiple values of the various members. | In the case of a Union, there is an allocation of only one shared memory for all the input data members. Thus, it stores one value at a time for all of its members. |
| Initialization | In the case of a Structure, a user can initialize multiple members at the same time. | In the case of a Union, a user can only initiate the first member at a time. |