

# Structure in C & C++

**Member functions inside structure:** Structures in C cannot have member functions inside structure but Structures in C++ can have member functions along with data members.

**Direct Initialization:** We cannot directly initialize structure data members in C but we can do it in C++.

**Using struct keyword:** In C, we need to use struct to declare a struct variable. In C++, struct is not necessary. For example, let there be a structure for Record. In C, we must use "struct Record" for Record variables. In C++, we need not use struct and using 'Record' only would work.

**Static Members:** C structures cannot have static members but is allowed in C++

**sizeof operator:** This operator will generate 0 for an empty structure in C whereas 1 for an empty structure in C++.

**Data Hiding:** C structures do not allow concept of Data hiding but is permitted in C++ as C++ is an object-oriented language whereas C is not.

**Access Modifiers:** C structures do not have access modifiers as these modifiers are not supported by the language. C++ structures can have this concept as it is inbuilt in the language.