

Lab 10: Structures

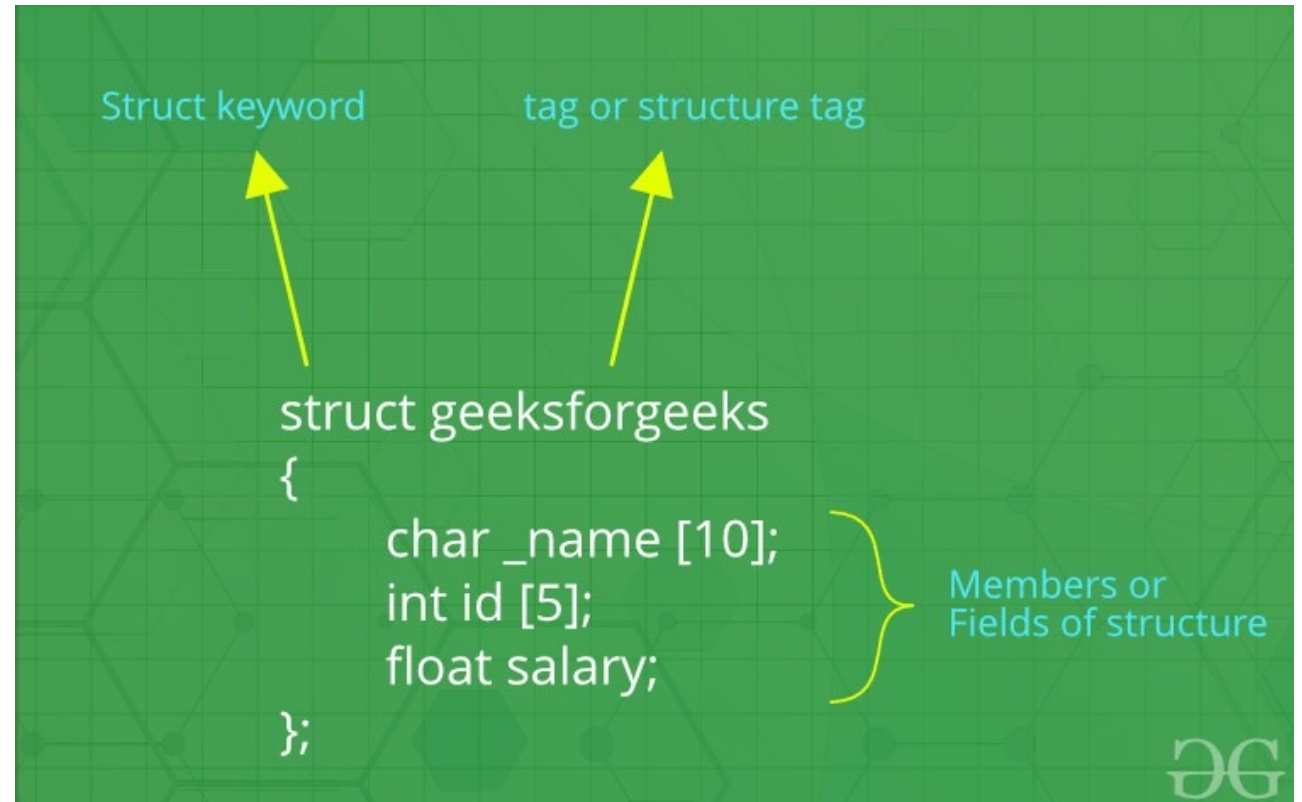
For UNT CSCE1030 Summer 2021

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What is a structure?

- A structure is a user-defined data type in C/C++. A structure creates a data type that can be used to group items of possibly different types into a single type.
- Structures in C++ can contain two types of members:
 - 1)Data Member.
 - 2)Member Functions.



How to declare an array of structs?

```
struct Student
{
    string name;
    int test[5];
    double average;
    int minimum;
};
#####array of structs
Student st[10]
```

How to access values in structs and array of structs?

#####array of structs

```
Student st[10];
```

#####accessing a value in the array of structs

```
Student1 = st[5].name;
```