

Chapter 6.1: Structs

A **struct** (short for [structure](#)) is made up of different diverse data types that represents an object as a whole. For example, a date is composed of a month, day, and year. We can code this concept into the following:

```
struct Date {  
    int month;  
    int day;  
    int year;  
};
```

The **structure tag** (the name of the struct) starts with an uppercase letter. The components which make up the struct are called **member variables**. Thus, month, day, and year in the above example are member variables.

To create a Date object, treat it as a datatype.

Example: Date d;

To access the object's **member variables**, use the dot operator followed by the member name.

Example: d.month = 2;
 d.day = 14;
 d.year = 2018;

Member variables can be initialized at the time of object declaration. It assigns the values listed in the order listed in the struct body.

Example: Date d = {2, 14, 2018};