**Static variable-- restricted files where they are declared**

Basics:

* In C programming , functions are global by default.
* This means if we want to access the function outside from the file where it is declared, we can access it easily
* Now if we want to restrict this access, then we make our function static by simply putting a keyword **static** in front of the function.
* Static functions are restricted to the files where they are declared.
* Reuse of the same function in another file is possible.

Meanings:

1. Inside a function: retains its value between calls(lifetime)
2. Static local variables.
3. At the function level: visible only in this file (scope)
4. Static global variables.
5. Static functions.