Static Members a.k.a Shared Members a.k.a Class Level Members

- static class members (fields+methods) are shared among all objects
- No object owns them
- Each object can access/modify them

Static Field

- shared
- single copy in memory
- memory must be explicitly allocated
- this value can be accessed and modifed by all objects and object methods (non-static) methods.

Static Methods

- can be called using either **class reference** (ClassName::method()) or **object reference** (like other functions)
- doesn't contain **this** pointer
- doesn't required **objects**
- can't access any **non-static** method or properties.

*Although static methods can be invoked using **object** reference we should generally avoid this!!!*