OOPS & DESIGN PATTERNS

1. Static class vs. Singleton class

# Static class vs. Singleton class

* A static class cannot be a top level class and cannot implement interfaces where a singleton class can.
* All members of a static class are static but for a Singleton class it is not a requirement.
* A static class gets initialized when it is loaded so it cannot be lazily loaded where a singleton class can be lazily loaded.
* A static class object is stored in stack whereas singleton class object is stored in heap memory space.