1. **Agenda**:
   1. Use cases for Singleton Bean.
2. By default, bean scope is Singleton by Spring itself.  
   Actually, Singleton is most used scope in any application.
3. But we have to be careful while defining Singleton scope if that bean is being used by multiple threads in multiple places by the app.
4. If Singleton scoped bean is being used by multiple threads, then it is very important to make that **bean immutable**.
   1. It means the bean’s data should not be changed once set.
   2. Person bean, Student beans’ data are subject to change.   
      So, don’t define them to be Singleton.
   3. Define Singleton beans for controller, service, dao classes as they contain only business logic methods and fields are not as per user.
   4. How to create immutable?  
      Solution: declare final fields.
   5. If Singleton bean is not immutable and being shared among multiple threads, then it may result in race condition.
5. Graphical user interface, text, application, Teams

   Description automatically generated
6. **NOTE**: Don’t create beans for Simple POJO classes where there are jus setters and getters without any business logic methods.