When I deploy Spring Boot application in a server, Each user who request for service is getting separated Thread for their service.

But the classes that specifies @RestController @Service @Repository @Component is singleton which means there is only single instance is created for those classes and it shared among all threads.

When I use those annotations, I don’t want to explicitly create the constructor. Spring boot automatically handle the instance creation and also the no arg constructor creating process. But if We want, we can have No Arg constructor explicitly.

So, all the threads are using the shared instance, we need to synchronize the process in a situation that one thread is trying to modify the data while other thread trying to read the data.

To run the tomcat in different port, we can customize it using application.properties file.

server.port = 8989

* I used h2 database for testing, it is in memory database(sql).
* Apply jdbc dependency to query the database