**Coding Challenge – Transfer of Money Between Two Accounts**

**Overview :**

Money needs to be transferred between two accounts such that the transfer is thread safe and can be concurrently executed.

**Things Done to Implement :**

* Added method for transfer in Rest Controller which takes fromAccountId , toAccountId , amount as inout.
* Added method for transfer in AccountService . Special care is taken for Thread safety and concurrent execution of the same.
* Added method in AccountRepository for debiting fromAccount and crediting toAccount by the amount taken as input.

**Things That can be Improved :**

The following things can be implemented to make it production ready :

* Use actual datasource details instead of a temporary persistent collection like map.
* Move the configurations for the datasource or any other configurations to a config server.
* Introduce an adapter to connect to the respository from the service .
* Test the application in a multithreaded environment to guarantee thread safety in transaction.