JAVA CODE ASSIGNMENT: SIMPLE BANK ACCOUNT SERVICE

OBJECTIVE

Build a simple self-contained bank account REST service. While being a simple fictive assignment feel free to add other aspects to make it more production ready.

FUNCTIONAL REQUIREMENTS

- Support create account.
- Support deposit and withdrawal to account.
- Support show account balance in currency of choice. Currency of the account (used in deposit and withdrawal) is SEK.
- Currency exchange rates should be static but changing to fetch it from an external REST service should be fairly easy.
- Negative account balance is not allowed.

TECHNICAL REQUIREMENTS

- Account number of 9 digits.
- Use Java 11 (or later).
- Use Spring Boot 2.x.
- Allow concurrent operations.
- Use in memory data structures or in memory database.

EXCHANGE RATES TO USE

- 1 USD - 8,44 SEK

- 1 EUR - 10,11 SEK

- 1 PHP - 0,17 SEK

- 1 GBP - 11,69 SEK

- 1 INR - 0,11 SEK