Objective

The objective of this workshop is to configure a key/value data source and to persist data to this data source. We will learn to use dependency injection to provide persistence service to controllers and other components.

Setup

a. Create a branch from day 13 workshop
b. Create a Railway application. Deploy a Redis database in the railway service.
c. Add the following additional dependencies
    i. Spring Data Redis
    ii. Jedis 4.x

Workshop

Task 1

Use the `redis-cli` to connect to your remote database.

Task 2

Configure and create a `RedisTemplate`.

Task 3

Create a bean called `ContactsRedis`. Inject the `RedisTemplate` into `ContactsRedist`. `ContactsRedis` class should provide the same methods as `Contacts` from persisting and querying data.

`ContactRedis` stores the contact information on the remote database instead of the local file system.

Task 4

Write test to test `ContactsRedis` bean.

Task 5

Integrated ContactRedis into the contact controller (the controller that /contact resources maps to). The controller should now read and write contacts from Redis instead of the local file system.

Task 6

Write a Dockerfile to build the workshop. Deploy to Railway.

Submission

When you have completed the workshop, commit and push your code to your Github repository.