import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.boot.CommandLineRunner;

import org.springframework.stereotype.Component;

@Component

public class DataLoader implements CommandLineRunner {

@Autowired

private ProductRepository productRepository;

@Override

public void run(String... args) throws Exception {

// Check if the database is already populated to avoid duplicates

if (productRepository.count() == 0) {

// Create and save initial products

Product product1 = new Product("Product A", 29.99, true, "Electronics");

Product product2 = new Product("Product B", 19.99, false, "Books");

Product product3 = new Product("Product C", 39.99, true, "Clothing");

productRepository.save(product1);

productRepository.save(product2);

productRepository.save(product3);

}

}

}