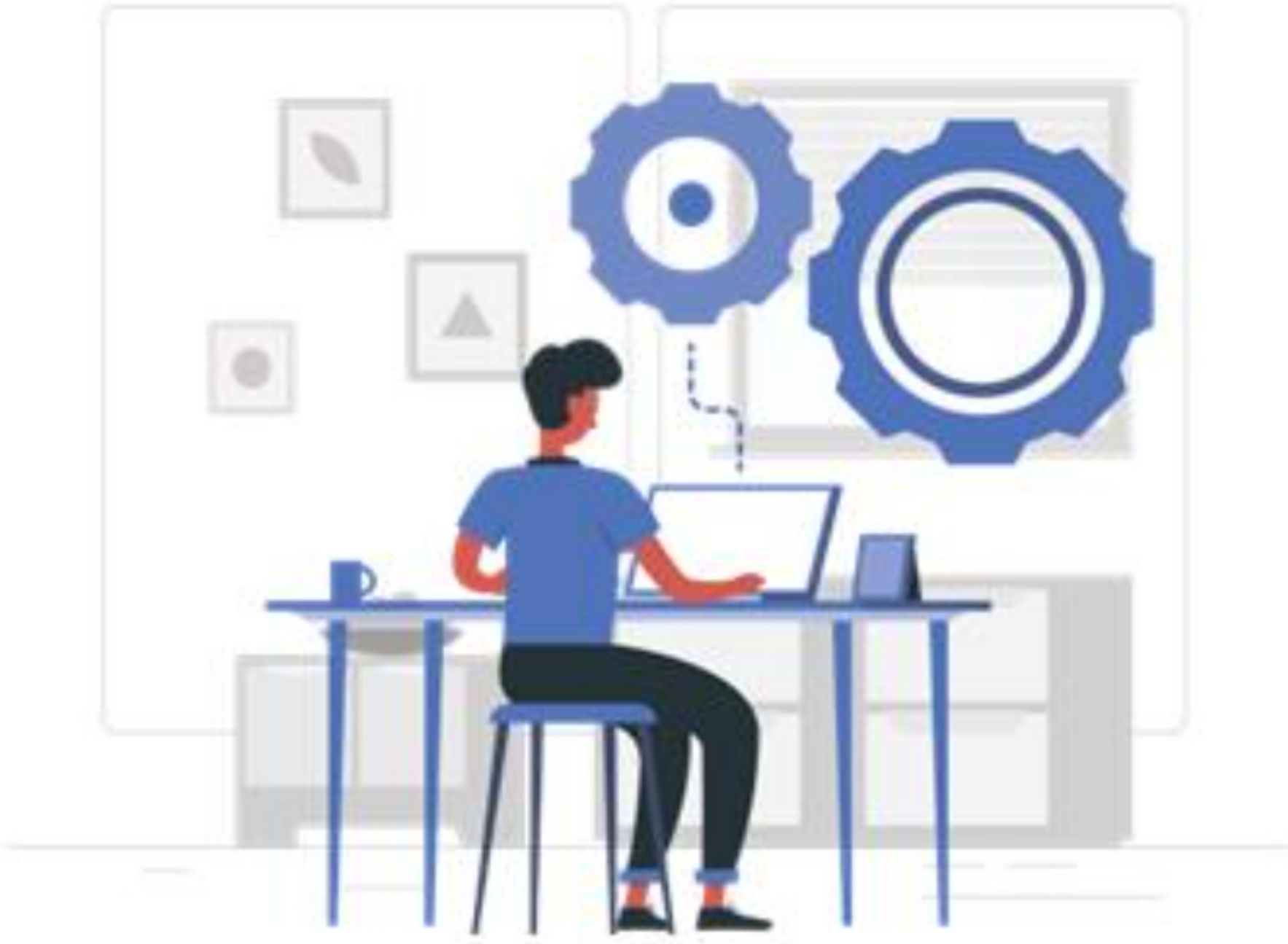


Practice Implement CRUD by Using JPA Within a RESTful Service



Practice

- Products of a Shopping Application



Implementation Environment

- Ensure that MySQL is installed on your machine.
 - Steps to install MySQL on [Windows](#)
 - Steps to install MySQL on [Linux](#)

An illustration of a woman with dark hair and glasses, wearing a red top, and a man with brown hair and glasses, wearing a yellow top. They are sitting at a light blue desk with a large blue computer monitor. The woman is holding a yellow clipboard. On the desk, there is a white coffee cup with a red lid, a yellow pencil, and a red pencil. The background is light green with some abstract shapes and a large green plant on the right.

PRACTICE

Practice: Products of a Shopping Application

An e-retailer maintains a stock of the products sold on his website. Develop a REST API to manage the inventory of the products sold on the website.

Practice: Tasks

- Create a REST API that will manage the product information.
- Create the domain layer with the Product class that will store the information of products like productId, productName, productDescription, amountInStock , etc.
- Define the Repository Layer and use Spring Data JPA to perform MySQL database operations.
- Define the Service Layer that will contain methods to save, fetch all products, fetch a product by productId, and delete a product.
- Define the Controller Layer with handler methods for GET, POST, and DELETE.
- Autowire the dependencies accordingly.
- Test the output in Postman.

Submission Instructions

- There is no boilerplate for the practice.
- Create a repository on Git named **BEJ_C1_S6_REST_MySQL_PC_1**.
- Work on the solution and push your code to the newly created repository.
- Later, submit it for review.