

Bank Account Registration I

Problem Statement:

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Classroom

Spring and Annotations
Bank Account Registration I

Problem

Submissions

Solutions

Doubts

✓

Bank Account Registration Continued I - Spring and Annotations

Easy • Score 80/80 • Spring Hibernate

Problem statement

Continuing the **Bank Account Registration** application, we now have to implement the concepts of IOC, Dependency Injection, and Bean Life Cycle using Annotations. Complete the application accordingly.

You are supposed to use the camel-case naming convention for writing the bean name inside the **@Component** Annotation where required.

- Example: I have a class with the name `savingsAccount`, and the bean name for it will be `"savingsAccount"`.

Flow Chart:-

```
graph TD; A([User starts the application]) --> B[/User enters name/]; B --> C{User asked to add account}; C -- Yes --> D[/User selects account type/]; C -- No --> E([Application ends]); D --> F[/User enters opening balance/]; F --> G{User asked to add more accounts}; G -- Yes --> D; G -- No --> H([Account list is displayed with their reference Ids]);
```

The flowchart illustrates the process of adding and managing bank accounts. It begins with the user starting the application and entering their name. A decision point asks if the user wants to add an account. If 'No', the application ends. If 'Yes', the user selects an account type and enters an opening balance. Another decision point asks if the user wants to add more accounts. If 'Yes', the process loops back to selecting an account type. If 'No', the account list is displayed with reference IDs.

Sample Output:

```
User bean has been instantiated and I'm the init() method
Welcome to Account Registration Application!
Please enter Your name?
John
Do you want to add account
1. Yes
2. No
1
Please select the account type
1. Current
2. Savings
1
Current Account has been created I'm the init() method
Enter the opening balance
120
Do you want to add more accounts
1. Yes
2. No
1
Please select the account type
1. Current
2. Savings
2
Savings Account has been created I'm the init() method
Enter the opening balance
230
Do you want to add more accounts
1. Yes
2. No
2
Hi John, here is the list of your accounts:
Current Account : opening balance - 120.0 Reference Id @385c9627
Savings Account : opening balance - 230.0 Reference Id @3eb25e1a
14:44:11.431 [main] DEBUG org.springframework.context.support.ClassPathXmlAppL
User bean has been closed and I'm the destroy() method

Process finished with exit code 0
```