

### Assignment 7:

Enhance Java Console based Banking App with below functionalities using Collections with Generics, Validation and Exception Handling

- 1] Add Account
- 2] View All Accounts
- 3] View Account
- 4] Update Account
- 5] Delete Account
- 6] Print Statistics
  - a] No of accounts which has balance more than 1 lac
  - b] Show no of account by account type
  - c] Show no of accounts by account type with sorting
  - d] Show avg balance by account type
- e] List account ids whose account name contains given name
- 7] Exit

Provide implementation for above functionality with HashMap collection.

### Folder structure:

```
· > bankingApp-with-collection-stats [indium_j]
  ↳ JRE System Library [JavaSE-17]
  ↳ src
    ↳ > com.indium.bankingapp
      ↳ BankingAppMain.java
    ↳ > com.indium.bankingapp.enums
      ↳ AccountType.java
    ↳ > com.indium.bankingapp.model
      ↳ Account.java
    ↳ > com.indium.bankingapp.service
      ↳ AccountService.java
      ↳ AccountServiceHashMapImpl.java
```

### Print Statistics:

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Print Statistics
8] Delete Account
9] Exit
Enter your choice: 7

a] No of accounts which has balance more than 1 lac: 1

b] Show no of account by account type:
CURRENT: 2
SAVING: 2

c] Show no of accounts by account type with sorting:
CURRENT: 2
SAVING: 2

d] Show avg balance by account type:
CURRENT: 500050.0
SAVING: 55000.0
```