

# BANKING APP

## WITH STATISTICS IMPLEMENTATION

The screenshot shows the IntelliJ IDEA IDE with the project 'bankingapp-with-collection' open. The 'BankingAppMain.java' file is selected, showing the following code:

```
AccountService accountService = new AccountService();
AccountService accountService = new AccountServiceArrListImpl();
```

The 'Run' console displays the following output:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\lib\idea_rt.jar=58459:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin" -Dfile.encoding=UTF-8
Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Exit
Enter your choice: 1
Enter Account Number: SBI123
Enter Account Holder: Karthick
Enter Account Type: Savings
Enter Initial Balance: 150000
Enter Rate of Interest: 1.3
Account added successfully.

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Exit
Enter your choice: 1
```

The screenshot shows the IntelliJ IDEA IDE with the project 'bankingapp-with-collection' open. The 'BankingAppMain.java' file is selected, showing the following code:

```
AccountService accountService = new AccountServiceArrListImpl();
```

The 'Run' console displays the following output:

```
6. Show Statistics
7. Exit
Enter your choice: 1
Enter Account Number: SBI987
Enter Account Holder: Jeeva
Enter Account Type: Savings
Enter Initial Balance: 12999
Enter Rate of Interest: 0.2
Account added successfully.

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Exit
Enter your choice: 1
Enter Account Number: Deepak
Enter Account Holder: Deepak1
Enter Account Type: Loan
Enter Initial Balance: 10000
Enter Rate of Interest: 1
Account added successfully.

Banking App Menu:
1. Add Account
2. View All Accounts
```

Commented out code (5 lines)

bankingapp-with-collectionmain

BankingAppMain.java

BankingAppMain

AccountServiceHashMapImpl.java26

AccountService accountService = new AccountServiceArrListImpl();

Run

BankingAppMain

1. Add Account

2. View All Accounts

3. View Account

4. Update Account

5. Delete Account

6. Show Statistics

7. Exit

Enter your choice: 5

Enter Account Number: Deepak

Account deleted successfully.

Banking App Menu:

1. Add Account

2. View All Accounts

3. View Account

4. Update Account

5. Delete Account

6. Show Statistics

7. Exit

Enter your choice: 1

Enter Account Number: ICICI123

Enter Account Holder: Aakash

Enter Account Type: Loan

Enter Initial Balance: 123000

Enter Rate of Interest: 1.5

Account added successfully.

Banking App Menu:

1. Add Account

Commented out code (5 lines)

27:1LFUTF-8

bankingapp-with-collectionmainBankingAppMain.javaBankingAppMain

Project>QAccountServiceHashMapImpl.java26AccountService accountService = new AccountServiceAnrListImpl();

RunBankingAppMain

Banking App Menu:  
1. Add Account  
2. View All Accounts  
3. View Account  
4. Update Account  
5. Delete Account  
6. Show Statistics  
7. Exit  
Enter your choice: 2  
All Accounts:  
Account Number: SBI123  
Account Holder: Karthick  
Account Type: Savings  
Balance: 158000.0  
Rate of Interest: 1.3  
Account Number: SBI987  
Account Holder: Jeeva  
Account Type: Savings  
Balance: 12999.0  
Rate of Interest: 0.2  
Account Number: ICICI123  
Account Holder: Aakash  
Account Type: Loan  
Balance: 123000.0  
Rate of Interest: 1.5  
  
Banking App Menu:  
1. Add Account  
2. View All Accounts

Commented out code (5 lines)

27:1LFUTF-84

```
bankingapp-with-collection main BankingAppMain.java
Project > Q-
AccountServiceHashMapImpl.java 26 AccountService accountService = new AccountServiceArrListImpl();
Run BankingAppMain x
4. Update Account
5. Delete Account
6. Show Statistics
7. Exit
Enter your choice: 6

Statistics Menu:
1. No. of accounts with balance more than 1 Lakh
2. No. of accounts by account type
3. No. of accounts by account type with sorting
4. Average balance by account type
5. List account IDs whose account name contains a given name
6. Back to Main Menu
Enter your choice: 1
Number of accounts with balance greater than 1 lakh: 2

Statistics Menu:
1. No. of accounts with balance more than 1 Lakh
2. No. of accounts by account type
3. No. of accounts by account type with sorting
4. Average balance by account type
5. List account IDs whose account name contains a given name
6. Back to Main Menu
Enter your choice: 2
Account Counts by Type:
Account Type: Savings, Count: 2
Account Type: Loan, Count: 1

Statistics Menu:
Commented out code (5 lines) 27:1 LF UTF-8 4 spa
```

```
bankingapp-with-collection main BankingAppMain.java
Project > Q-
AccountServiceHashMapImpl.java 26 AccountService accountService = new AccountServiceArrListImpl();
Run BankingAppMain x
Statistics Menu:
1. No. of accounts with balance more than 1 Lakh
2. No. of accounts by account type
3. No. of accounts by account type with sorting
4. Average balance by account type
5. List account IDs whose account name contains a given name
6. Back to Main Menu
Enter your choice: 3
Account Counts by Type (Sorted):
Account Type: Savings, Count: 2
Account Type: Loan, Count: 1

Statistics Menu:
1. No. of accounts with balance more than 1 Lakh
2. No. of accounts by account type
3. No. of accounts by account type with sorting
4. Average balance by account type
5. List account IDs whose account name contains a given name
6. Back to Main Menu
Enter your choice: 4
Average Balances by Account Type:
Account Type: Savings, Average Balance: 85499.5
Account Type: Loan, Average Balance: 123900.0

Statistics Menu:
1. No. of accounts with balance more than 1 Lakh
2. No. of accounts by account type
3. No. of accounts by account type with sorting
All files are up-to-date (1 hour ago) 27:1 LF UTF-8 4
```

bankingapp-with-collectionmain

BankingAppMain.java

BankingAppMain

Project>AccountServiceHashMapImpl.java26AccountService accountService = new AccountServiceArrListImpl();

RunBankingAppMain

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Statistics Menu:

1. No. of accounts with balance more than 1 Lakh

2. No. of accounts by account type

3. No. of accounts by account type with sorting

4. Average balance by account type

5. List account IDs whose account name contains a given name

6. Back to Main Menu

Enter your choice: 3

Account Counts by Type (Sorted):

Account Type: Savings, Count: 2

Account Type: Loan, Count: 1

Statistics Menu:

1. No. of accounts with balance more than 1 Lakh

2. No. of accounts by account type

3. No. of accounts by account type with sorting

4. Average balance by account type

5. List account IDs whose account name contains a given name

6. Back to Main Menu

Enter your choice: 4

Average Balances by Account Type:

Account Type: Savings, Average Balance: 85499.5

Account Type: Loan, Average Balance: 123000.0

Statistics Menu:

1. No. of accounts with balance more than 1 Lakh

2. No. of accounts by account type

3. No. of accounts by account type with sorting

All files are up-to-date (1 hour ago)27:1 LF UTF-8