Banking App Program using Collections with Import & Export in Separate Threads Screenshots

1. Import Accounts

2. Export Accounts

Top window

BankingApp.java

```java
1  package com.indium.bankingapp;
2
3⊕ import java.util.Collection;□
16
17 public class BankingApp {
18     private static Scanner in;
19     private static AccountService accountService;
20
21⊖    public static void main(String[] args) {
22         in = new Scanner(System.in);
23         accountService = new AccountServiceHashMapImpl();
24         ExecutorService executor = Executors.newCachedThreadPool();
25         System.out.print("Welcome to Banking Application!");
26         while (true) {
27             System.out.println("\n");
28             System.out.println("1. Add Accounts");
29             System.out.println("2. View All Accounts");
30             System.out.println("3. View Account");
31             System.out.println("4. Update Account");
32             System.out.println("5. Delete Account");
33             System.out.println("6. Print Statistics");
34             System.out.println("7. Import");
35             System.out.println("8. Export");
36             System.out.println("9. Exit");
37             System.out.print("Enter the option: ");
38
39             // Get option from user
40             int option = 0;
41             try {
42                 option = Integer.parseInt(in.next());
43             } catch (NumberFormatException e) {
44                 System.out.println("Invalid option. Please enter valid optio
45                 continue;
46             }
47             try {
48                 switch (option) {
49
50                 case 1:
51                     addAccount();
52                     System.out.println("Account has been added successfully!
53                     break;
54                 case 2:
55                     viewAllAccounts();
56                     break;
57                 case 3:
58                     System.out.print("Enter the Account Id: ");
59                     int id = in.nextInt();
60                     Account acc = null;
```

Console — BankingApp (7) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspo

```
Enter Account Type: Current
Enter Account Balance: 200000
Is Account Active(Enter true or false): true
Account has been added successfully!


1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Print Statistics
7. Import
8. Export
9. Exit
Enter the option: 2

   Id          Name  Type        Balance      Is Active
    1         Stella Savings     1200000.0     true
    2         Steffy Current      200000.0     true

1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Print Statistics
7. Import
8. Export
9. Exit
Enter the option: 8
main Export process triggered


1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Print Statistics
7. Import
8. Export
9. Exit
Enter the option: Thread[pool-1-thread-1,5,main] Waiting for 5s to start export proc

pool-1-thread-1 - Export started
pool-1-thread-1 - 2 Accounts are exported successfully.
```

Bottom window

BankingApp.java

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21⊖    public static void main(String[] args) {
22         in = new Scanner(System.in);
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24         ExecutorService executor = Executors.newCachedThreadPool();
25         System.out.print("Welcome to Banking Application!");
26         while (true) {
```

account-output.txt

```
1 1,Stella,Savings,1200000.0,true
2 2,Steffy,Current,200000.0,true
3
```