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

1. Import Accounts

```
BankingApp.java ×
          package com.indium.bankingapp;
                                                                                                                                                           BankingApp (7) [Java Application] E\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspo
Welcome to Banking Application!
      3⊕ import java.util.Collection;
                                                                                                                                                            1. Add Accounts
    17 public class BankingApp {
                                                                                                                                                           2. View All Accounts
3. View Account
                 private static Scanner in;
private static AccountService accountService;
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                                                                                                                                                           4. Update Account
                                                                                                                                                           5. Delete Account
6. Print Statistics
                 public static void main(String[] args) {
                                                                                                                                                           7. Import
                        in = new Scanner(System.in);
                        accountService = new AccountServiceHashMapImpl();

ExecutorService executor = Executors.newCachedThreadPool();

System.out.print("Welcome to Banking Application!");
                       System.out.print("Welcome to Banking Application while (true) {
    System.out.println("\n");
    System.out.println("1. Add Accounts");
    System.out.println("2. View All Accounts");
    System.out.println("3. View Account");
    System.out.println("4. Update Account");
    System.out.println("5. Delete Account");
    System.out.println("6. Print Statistics");
    System.out.println("6. Print Statistics");
    System.out.println("8. Export");
    System.out.println("8. Export");
    System.out.println("9. Exit");
    System.out.printl("9. Exit");

                                                                                                                                                            Enter the option: 7
                                                                                                                                                            main Import process triggered
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                                                                                                                                                           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 import proc
                                // Get option from user
                                                                                                                                                            pool-1-thread-1 - Import started
                               try {
                                                                                                                                                            Implorting file...
                                option = Integer.parseInt(in.next());
} catch (NumberFormatException e) {
    System.out.println("Invalid option. Please enter valid option.")
                                                                                                                                                            pool-1-thread-1 - 6 Accounts are imported successfully.
                                       continue:
                                try {
   switch (option) {
```

2. Export Accounts

```
    ■ BankingApp.java ×
        package com.indium.bankingapp;
                                                                                                                                                      BankingApp (7) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.ho
                                                                                                                                                      Welcome to Banking Application!
      3⊕ import java.util.Collection;
                                                                                                                                                      1. Add Accounts
   public class BankingApp {
    private static Scanner in;
    private static AccountService accountService;
                                                                                                                                                      2. View All Accounts
3. View Account
                                                                                                                                                      4. Update Account
5. Delete Account
6. Print Statistics
                public static void main(String[] args) {
   219
                       inc state vota man(string() args) (
in = new Scanner(system.in);
accountService = new AccountServiceHashMapImpl();
ExecutorService executor = Executors.newCachedThreadPool();
System.out.print("Welcome to Banking Application!");
while (true) {
   22
                                                                                                                                                      7. Import
                                                                                                                                                      9. Exit
                                                                                                                                                      Enter the option: 1
Enter Account Name: Stella
Enter Account Type: Savings
   25
26
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                              System.out.println("\n");
                             System.out.println("\n");
System.out.println("1. Add Accounts");
System.out.println("2. View All Accounts");
System.out.println("3. View Account");
System.out.println("4. Update Account");
System.out.println("5. Delete Account");
System.out.println("6. Print Statistics");
System.out.println("7. Import");
System.out.println("8. Export");
System.out.println("9. Exit");
System.out.println("9. Exit");
System.out.println("Enter the option: ");
                                                                                                                                                      Enter Account Balance: 1200000
Is Account Active(Enter true or false): true
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                                                                                                                                                      Account has been added successfully!
                                                                                                                                                     1. Add Accounts
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                                                                                                                                                      2. View All Accounts
3. View Account
                                                                                                                                                      4. Update Account
5. Delete Account
                                                                                                                                                      6. Print Statistics

    Import
    Export

                              // Get option from user
                              int option = 0;
                              try {
                                                                                                                                                      9. Exit
                             option = Integer.parseInt(in.next());
} catch (NumberFormatException e) {
                                                                                                                                                      Enter the option: 1
Enter Account Name: Steffy
Enter Account Type: Curren
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                                     System.out.println("Invalid option. Please enter valid optio
   44
   45
46
                                     continue;
                                                                                                                                                      Is Account Active(Enter true or false): true
   47
48
                              try {
                                                                                                                                                      Account has been added successfully!
                                     switch (option) {
   49

    Add Accounts
    View All Accounts

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                                            addAccount();
                                            System.out.println("Account has been added successfully!
   52
53
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                                                                                                                                                      3. View Account
                                     break;
case 2:
                                                                                                                                                      4. Update Account
5. Delete Account
   55
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57
                                           viewALLAccounts():
                                                                                                                                                      6. Print Statistics
                                            break;
                                                                                                                                                      7. Import
                                     case 3:
                                                                                                                                                      8. Export
                                           System.out.print("Enter the Account Id: ");
int id = in.nextInt();
Account acc = null:
                                                                                                                                                      9. Fxit
                                                                                                                                                      Enter the option: 2
```

```
© Console × 🖟 account-input.txt 📗 account-output.txt 🔳 🛎 💥 🎉 🚉 🐼 🕞 🗗 💌 🔻 📑

    ■ BankingApp.java ×
                                                                                                                               BankingApp (7) [Java Application] E\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspc
Enter Account Type: Current
        package com.indium.bankingapp;
                                                                                                                                Enter Account Balance: 200000
Is Account Active(Enter true or false): true
     3⊕ import java.util.Collection;
   16
public class BankingApp {
18
private static Scanner in;
19
private static AccountService;
                                                                                                                                Account has been added successfully!
                                                                                                                                1. Add Accounts
                                                                                                                                2. View All Accounts
3. View Account
              public static void main(String[] args) {
                    4. Update Account
   23
                                                                                                                                5. Delete Account
6. Print Statistics
   24
   7. Import
                                                                                                                                8. Export
                         System.out.println("\n");
System.out.println("1. Add Accounts");
System.out.println("2. View All Accounts");
System.out.println("3. View Account");
System.out.println("4. Update Account");
System.out.println("5. Delete Account");
System.out.println("6. Print Statistics");
System.out.println("7. Import");
System.out.println("8. Export");
System.out.println("9. Exit");
System.out.println("9. Exit");
                                                                                                                               9. Exit
Enter the option: 2
                                                                                                                                                     Name Type
Stella Savings
                                                                                                                                                                                    Balance
                                                                                                                                                                                                         Is Active
                                                                                                                                                                                1200000.0
                                                                                                                                                                                                          true
true
                                                                                                                                                     Steffy Current
                                                                                                                                                                                 200000.0
                                                                                                                                1. Add Accounts
                                                                                                                               2. View All Accounts
3. View Account
4. Update Account
                          System.out.print("Enter the option: ");
                          // Get option from user
                                                                                                                                5. Delete Account
                                                                                                                                6. Print Statistics
7. Import
                          int option = 0;
try {
    option = Integer.parseInt(in.next());
                                                                                                                                8. Export
                                                                                                                                9. Exit
Enter the option: 8
                          } catch (NumberFormatException e) {
   System.out.println("Invalid option. Please enter valid optio
   continue;
                                                                                                                                main Export process triggered
                          try {
switch (option) {
                                                                                                                                1. Add Accounts
                                                                                                                                2. View All Accounts
3. View Account
                                case 1:
                                      addAccount();
                                                                                                                                4. Update Account
                                                                                                                                5. Delete Account
                                      System.out.println("Account has been added successfully!
                                                                                                                                6. Print Statistics
7. Import
                                break;
case 2:
                                      viewAllAccounts();
                                                                                                                                8. Export
                                                                                                                                9. Exit
Enter the option: Thread[pool-1-thread-1,5,main] Waiting for 5s to start export proc
                                     break;
                                      System.out.print("Enter the Account Id: ");
                                                                                                                               pool-1-thread-1 - Export started
pool-1-thread-1 - 2 Accounts are exported successfully.
                                      int id = in.nextInt();
Account acc = null:
```

```
Console
                                                                                              account-input.txt
                                                                                                               account-output.txt ×
  1 package com.indium.bankingapp;
                                                                                     1 1,Stella,Savings,1200000.0,true
                                                                                     2 2, Steffy, Current, 200000.0, true
   3⊕ import java.util.Collection;
  17 public class BankingApp {
  18
         private static Scanner in;
         private static AccountService accountService;
  19
  20
         public static void main(String[] args) {
  219
             in = new Scanner(System.in);
  22
             accountService = new AccountServiceHashMapImpl();
  23
             ExecutorService executor = Executors.newCachedThreadPool();
  24
  25
             System.out.print("Welcome to Banking Application!");
             while (true) {
  26
```