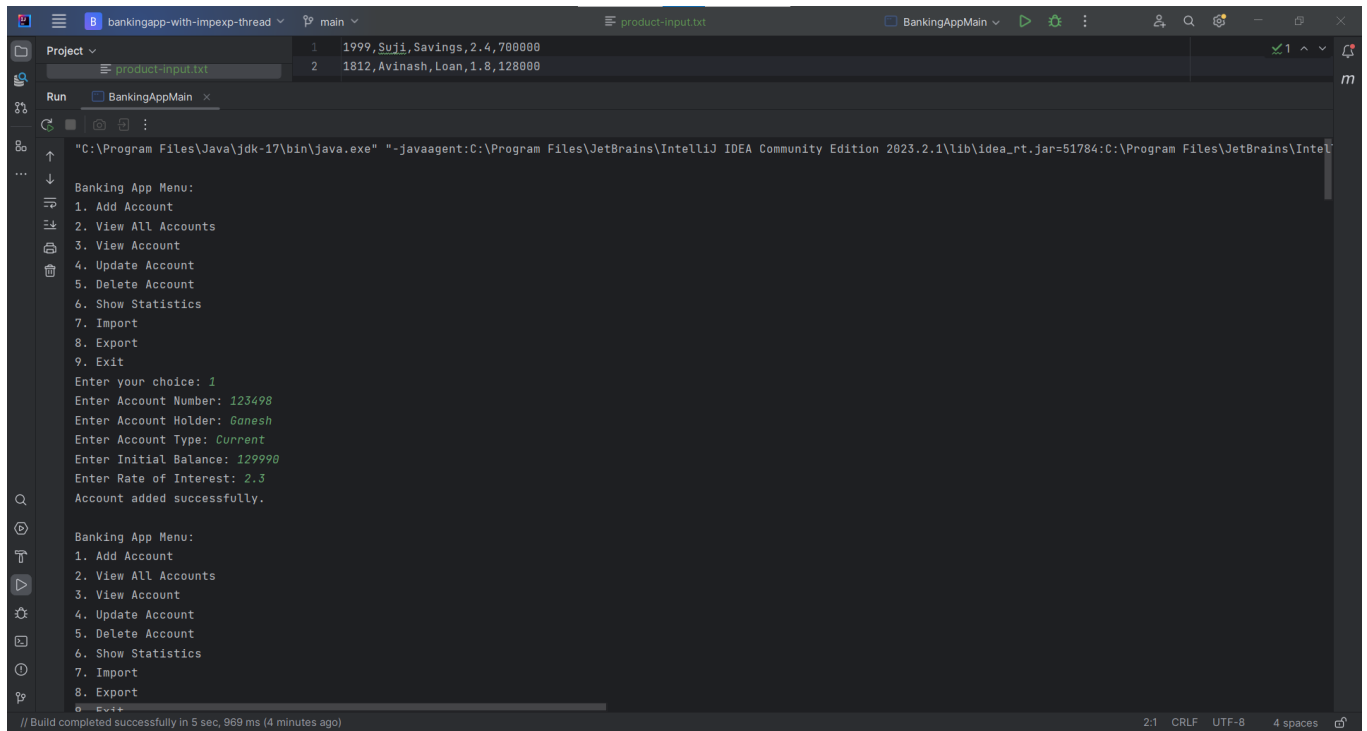


BANKING APP

WITH IMPORT EXPORT THREAD IMPLEMENTATION



```
Project 1 1999,Suji,Savings,2.4,700000
product-input.txt 2 1812,Avinash,Loan,1.8,128000

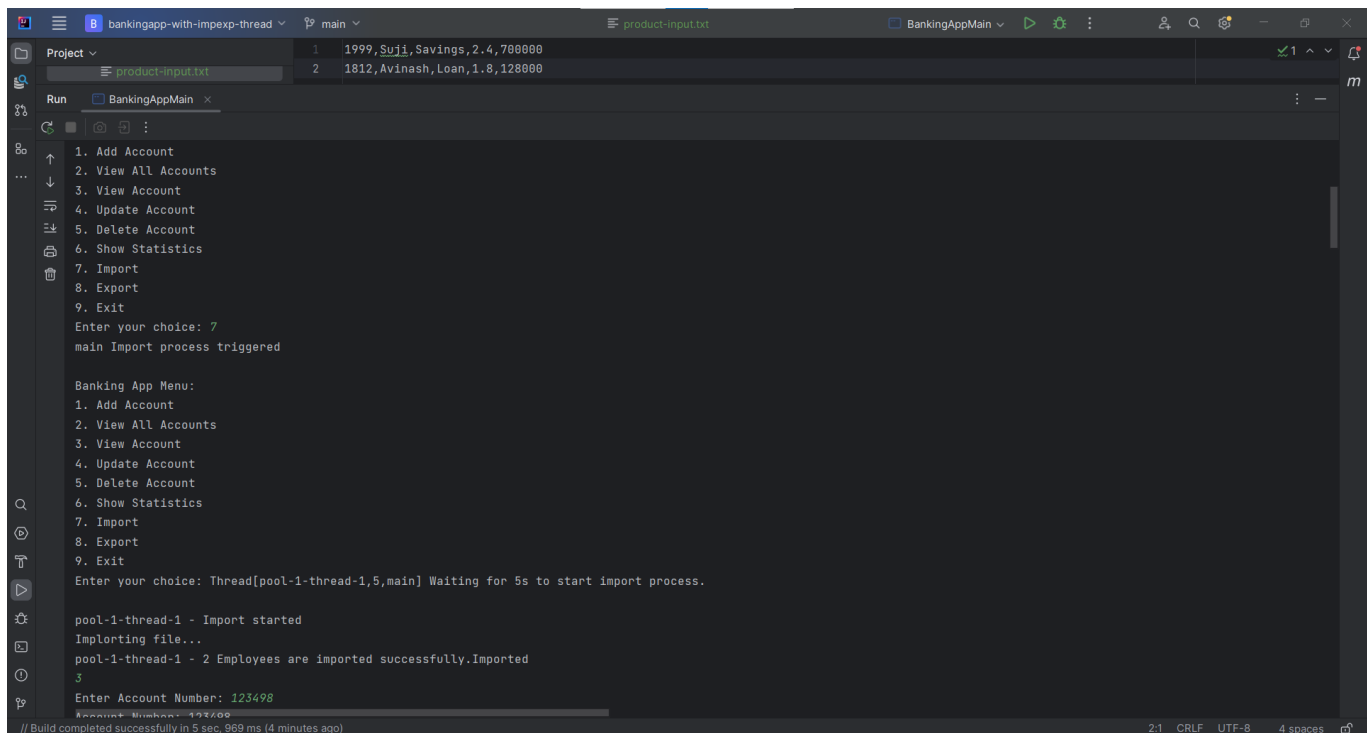
Run BankingAppMain

"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=51784: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. Import
8. Export
9. Exit
Enter your choice: 1
Enter Account Number: 123498
Enter Account Holder: Ganesh
Enter Account Type: Current
Enter Initial Balance: 129990
Enter Rate of Interest: 2.3
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. Import
8. Export
9. Exit
Enter your choice: 1
Enter Account Number: 123498
Enter Account Holder: Ganesh
Enter Account Type: Current
Enter Initial Balance: 129990
Enter Rate of Interest: 2.3
Account added successfully.

// Build completed successfully in 5 sec, 969 ms (4 minutes ago) 2:1 CRLF UTF-8 4 spaces
```



```
Project 1 1999,Suji,Savings,2.4,700000
product-input.txt 2 1812,Avinash,Loan,1.8,128000

Run BankingAppMain

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

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: Thread[pool-1-thread-1,5,main] Waiting for 5s to start import process.

pool-1-thread-1 - Import started
Importing file...
pool-1-thread-1 - 2 Employees are imported successfully.Imported
3
Enter Account Number: 123498
Account Number: 123498

// Build completed successfully in 5 sec, 969 ms (4 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt  BankingAppMain
Project  1 1999,Suji,Savings,2.4,700000
        2 1812,Avinash,Loan,1.8,128000
Run  BankingAppMain
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 2
All Accounts:
Account Number: 123498
Account Holder: Ganesh
Account Type: Current
Balance: 129990.0
Rate of Interest: 2.3
Account Number: 1999
Account Holder: Suji
Account Type: Savings
Balance: 700000.0
Rate of Interest: 2.4
Account Number: 1812
Account Holder: Avinash
Account Type: Loan
Balance: 128000.0
Rate of Interest: 1.8

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
10. Exit
```

// Build completed successfully in 5 sec, 969 ms (6 minutes ago) 2:1 CRLF UTF-8 4 spaces

```
bankingapp-with-impexp-thread  main  product-input.txt  BankingAppMain
Project  1 1999,Suji,Savings,2.4,700000
        2 1812,Avinash,Loan,1.8,128000
Run  BankingAppMain
Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 4
Enter Account Number: 123498
Enter New Account Holder Name: Thilak
Enter New Account Type: Deposit
Enter New Account Balance: 34000
Enter New Account Rate of Interest: 1.2
Account updated successfully.

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

// Build completed successfully in 5 sec, 969 ms (6 minutes ago) 2:1 CRLF UTF-8 4 spaces

```
bankingapp-with-impexp-thread  main  product-input.txt  BankingAppMain
Project 1 1999,Suji,Savings,2.4,700000
product-input.txt 2 1812,Avinash,Loan,1.8,120000
Run BankingAppMain
Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 4
Enter Account Number: 123498
Enter New Account Holder Name: Thilak
Enter New Account Type: Deposit
Enter New Account Balance: 34000
Enter New Account Rate of Interest: 1.2
Account updated successfully.

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 3
// Build completed successfully in 5 sec, 969 ms (6 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt  BankingAppMain
Project 1 1999,Suji,Savings,2.4,700000
product-input.txt 2 1812,Avinash,Loan,1.8,120000
Run BankingAppMain
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 3
Enter Account Number: 123498
Account Number: 123498
Account Holder: Thilak
Account Type: Deposit
Balance: 34000.0
Rate of Interest: 1.2

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 5
Enter Account Number: 123498
Account deleted successfully.
// Build completed successfully in 5 sec, 969 ms (6 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt
Project 1 1999,Suji,Savings,2.4,700000
        2 1812,Avinash,Loan,1.8,120000
Run BankingAppMain
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 2
All Accounts:
Account Number: 1999
Account Holder: Suji
Account Type: Savings
Balance: 700000.0
Rate of Interest: 2.4
Account Number: 1812
Account Holder: Avinash
Account Type: Loan
Balance: 120000.0
Rate of Interest: 1.8

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
// Build completed successfully in 5 sec, 969 ms (7 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt
Project 1 1999,Suji,Savings,2.4,700000
        2 1812,Avinash,Loan,1.8,120000
Run BankingAppMain
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. 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: 1
Account Type: Loan, Count: 1
// Build completed successfully in 5 sec, 969 ms (7 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt  BankingAppMain
Project 1 1999,Suji,Savings,2.4,700000
2 1812,Avinash,Loan,1.8,128000
Run BankingAppMain
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: 3
Account Counts by Type (Sorted):
Account Type: Savings, Count: 1
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: 700000.0
Account Type: Loan, Average Balance: 128000.0
Statistics Menu:
1. No. of accounts with balance more than 1 Lakh
2. No. of accounts by account type
// Build completed successfully in 5 sec, 969 ms (8 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt  BankingAppMain
Project 1 1999,Suji,Savings,2.4,700000
2 1812,Avinash,Loan,1.8,128000
Run BankingAppMain
Account Type: Loan, Average Balance: 128000.0
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
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: 5
Enter a name to search for: Av
Matching Account Number:
1812
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: 6
Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
// Build completed successfully in 5 sec, 969 ms (8 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt
Project 1 1999,Suji,Savings,2.4,700000
        2 1812,Avinash,Loan,1.8,120000
Run BankingAppMain
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: 6

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 8
main Export process triggered

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 8
main Export process triggered

// Build completed successfully in 5 sec, 969 ms (9 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp-thread  main  product-input.txt
Project 1 1999,Suji,Savings,2.4,700000
        2 1812,Avinash,Loan,1.8,120000
Run BankingAppMain
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 8
main Export process triggered

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: Thread[pool-1-thread-2,5,main] Waiting for 5s to start export process.

pool-1-thread-2 - Export started
2 Employees are exported successfully.Exported
9
Thanks for visiting the app..

Process finished with exit code 0

// Build completed successfully in 5 sec, 969 ms (9 minutes ago) 2:1 CRLF UTF-8 4 spaces
```