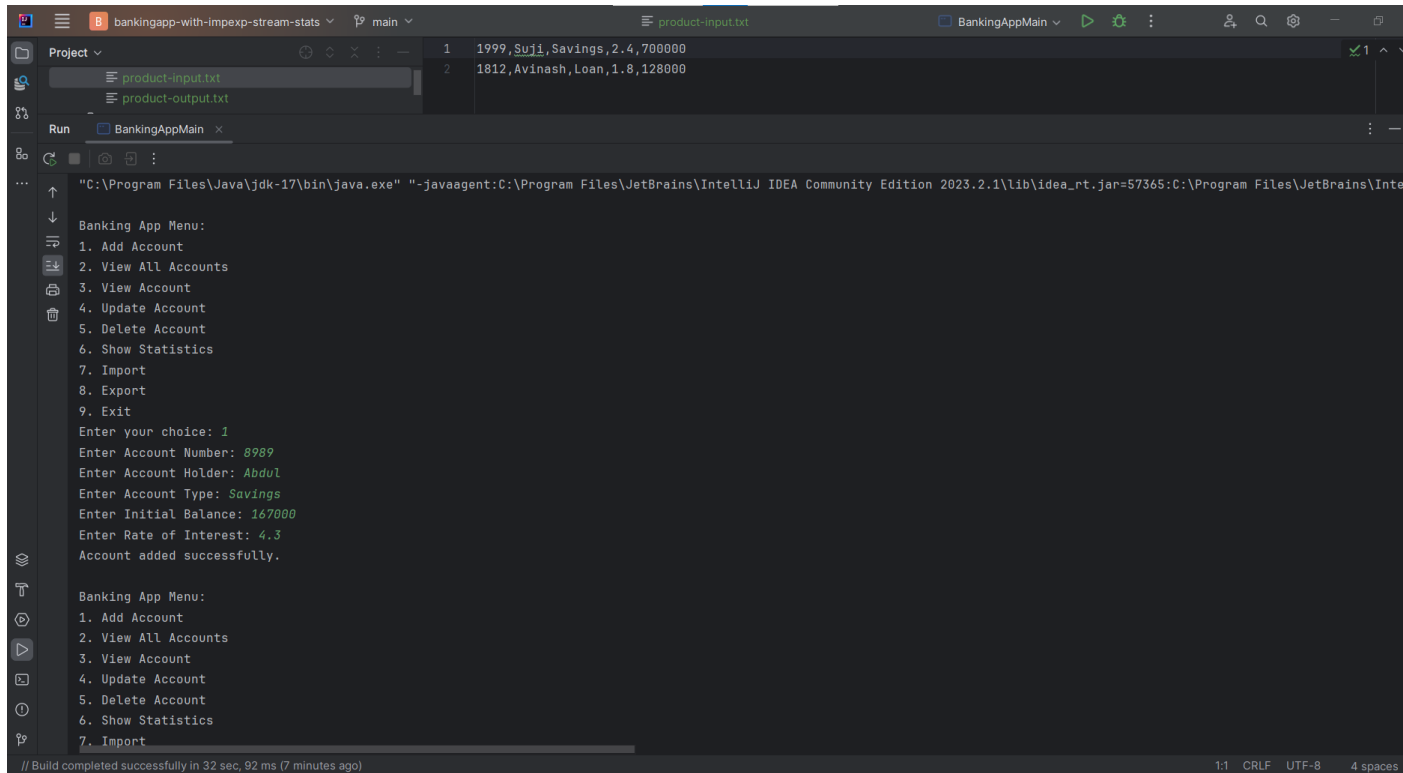


BANKING APP

WITH IMPORT EXPORT STREAM IMPLEMENTATION



```
Project
├── product-input.txt
└── product-output.txt

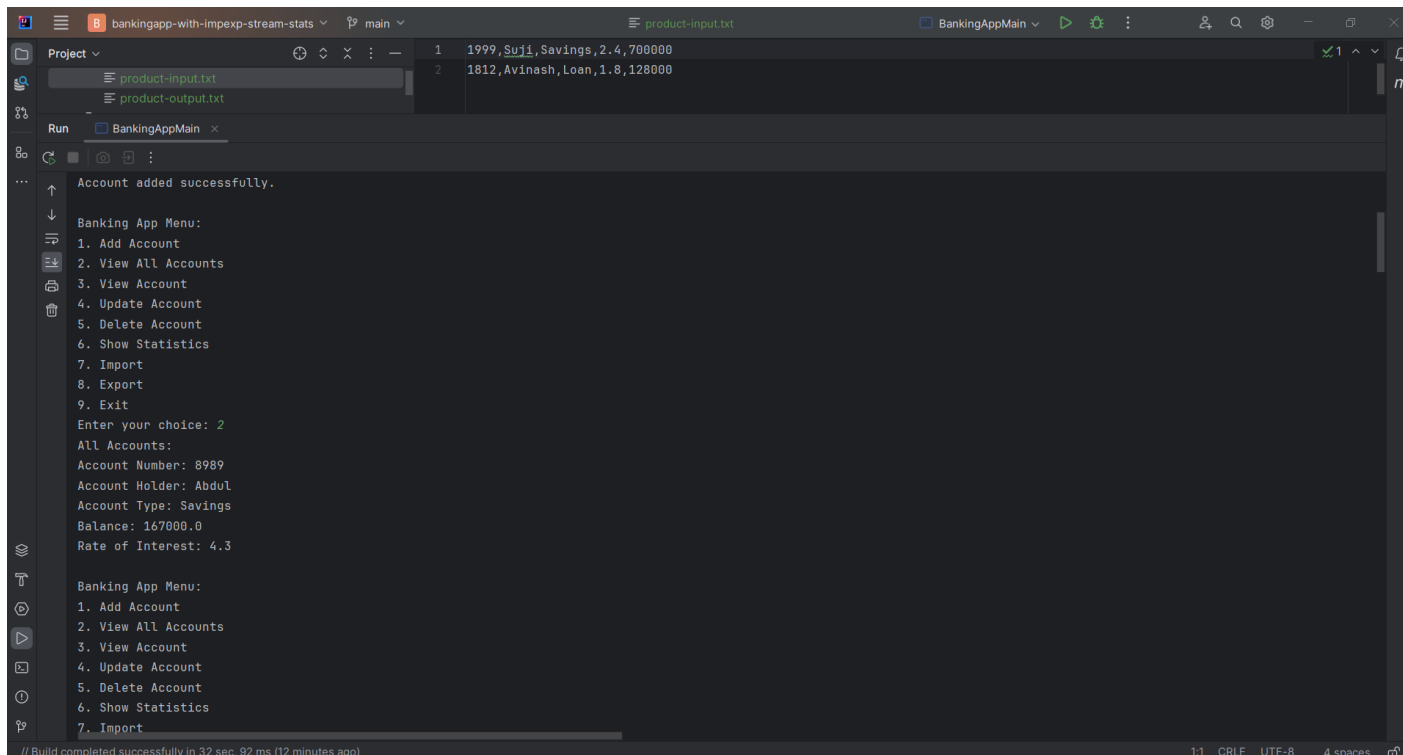
Run
BankingAppMain

"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=57365: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: 8989
Enter Account Holder: Abdul
Enter Account Type: Savings
Enter Initial Balance: 167000
Enter Rate of Interest: 4.3
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

// Build completed successfully in 32 sec, 92 ms (7 minutes ago)
1:1 CRLF UTF-8 4 spaces
```



```
Project
├── product-input.txt
└── product-output.txt

Run
BankingAppMain

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: 2
All Accounts:
Account Number: 8989
Account Holder: Abdul
Account Type: Savings
Balance: 167000.0
Rate of Interest: 4.3

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Show Statistics
7. Import

// Build completed successfully in 32 sec, 92 ms (12 minutes ago)
1:1 CRLF UTF-8 4 spaces
```

```
Project
├── product-input.txt
└── product-output.txt

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: 3
Enter Account Number: 8989
Account Number: 8989
Account Holder: Abdul
Account Type: Savings
Balance: 167000.0
Rate of Interest: 4.3

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 32 sec, 92 ms (12 minutes ago)
1:1 CRLF UTF-8 4 spaces
```

```
Project
├── product-input.txt
└── product-output.txt

Run
BankingAppMain

Account Type: Savings
Balance: 167000.0
Rate of Interest: 4.3

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: 8989
Enter New Account Holder Name: Abdul Samad
Enter New Account Type: Savings
Enter New Account Balance: 34000
Enter New Account Rate of Interest: 2.3
Account updated successfully.

Banking App Menu:
1. Add Account
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account

// Build completed successfully in 32 sec, 92 ms (13 minutes ago)
1:1 CRLF UTF-8 4 spaces
```

The screenshot shows an IDE window for a project named "bankingapp-with-impexp-stream-stats". The main editor displays the "product-input.txt" file with two lines of data:

ID	Name	Account Type	Interest Rate	Balance
1	1999, Suji	Savings	2.4	700000
2	1812, Avinash	Loan	1.8	128000

The "Run" tab shows the output of the "BankingAppMain" application. The output includes a menu, user input, and status messages:

```
Enter New Account Balance: 34000
Enter New Account Rate of Interest: 2.3
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: 7
Imported

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: 2
```

The status bar at the bottom indicates the build completed successfully in 32 seconds and 92 milliseconds (13 minutes ago). The editor settings are 1:1, CRLF, UTF-8, and 4 spaces.

bankingapp-with-impexp-stream-statsmainproduct-input.txtBankingAppMain

Project

product-input.txtproduct-output.txt

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: 8989
Account Holder: Abdul Samad
Account Type: Savings
Balance: 34000.0
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 1999, Suji, Savings, 2.4, 700000
2 1812, Avinash, Loan, 1.8, 128000

// Build completed successfully in 32 sec, 92 ms (14 minutes ago)1:1 CRLF UT

```
Project
├── product-input.txt
└── product-output.txt

Run
BankingAppMain

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
Enter your choice: 8
Exported

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: 6
```

// Build completed successfully in 32 sec, 92 ms (15 minutes ago)

```
Project
├── product-input.txt
└── product-output.txt

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: 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
```

// Build completed successfully in 32 sec, 92 ms (15 minutes ago)

```
Project
├── product-input.txt
└── product-output.txt

Run
BankingAppMain

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:
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
```

// Build completed successfully in 32 sec, 92 ms (16 minutes ago)

```
Project
├── product-input.txt
└── product-output.txt

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: 4
Average Balances by Account Type:
Account Type: Savings, Average Balance: 367000.0
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
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: Su
Matching Account Number:
1999

Statistics Menu:
1. No. of accounts with balance more than 1 Lakh
```

// Build completed successfully in 32 sec, 92 ms (16 minutes ago)

bankingapp-with-impexp-stream-statsmainproduct-input.txt

BankingAppMain

product-input.txt
product-output.txt

1 1999,Sujit,Savings,2.4,700000
2 1812,Avinash,Loan,1.8,128000

Run BankingAppMain

1999

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
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 5
Enter Account Number: 8989
Account deleted successfully.

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

// Build completed successfully in 32 sec, 92 ms (17 minutes ago)1:1CRLFUTF-84 space

bankingapp-with-impexp-stream-statsmainproduct-input.txtBankingAppMain

Project

product-input.txtproduct-output.txt

Run

BankingAppMain

11999,Suji,Savings,2.4,700000

21812,Avinash,Loan,1.8,128000

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: 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: 128000.0

Rate of Interest: 1.8

Banking App Menu:

1. Add Account

2. View All Accounts

3. View Account

// Build completed successfully in 32 sec, 92 ms (17 minutes ago)1:1 CRLF UTF-8 4 space

bankingapp-with-impexp-stream-statsmainproduct-input.txtBankingAppMain

Project

product-input.txtproduct-output.txt

Run

BankingAppMain

11999,Suji,Savings,2.4,700000

21812,Avinash,Loan,1.8,128000

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: 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

Enter your choice: 9

Thanks for visiting the app..

Process finished with exit code 0

// Build completed successfully in 32 sec, 92 ms (18 minutes ago)

1:1CRLFUTF-84 spaces