Assignment 10: Banking App Statistics using Stream API
Enhance Java Console based Banking App to compute and print the statistics using Stream API
 1] Add Account
 2] View All Accounts
 3] View Account
 4] Update Account
 5] Delete Account
 6] Print Statistics
a] No of accounts which has balance more than 1 lac
 b] Show no of account by account type
 c] Show no of accounts by account type with sorting
 d] Show avg balance by account type
e] List account ids whose account name contains given name
 7) Import
 8) Export
 9] Exit

Folder structure:

- ▸ 📁 > bankingApp-with-impexp [indium_javabc
  - ▸ 📕 JRE System Library [JavaSE-17]
  - ▾ 📦 > src
    - ▾ 📦 > com.indium.bankingapp
      - ▸ 📄 BankingAppMain.java
    - ▾ 📦 > com.indium.bankingapp.enums
      - ▸ 📄 AccountType.java
    - ▾ 📦 > com.indium.bankingapp.model
      - ▸ 📄 Account.java
    - ▾ 📦 > com.indium.bankingapp.service
      - ▸ 📄 AccountService.java
      - ▸ 📄 AccountServiceHashMapImpl.java
  - ▾ 📁 > input
    - 📄 input.txt
  - ▾ 📁 > output
    - 📄 output.txt

No of accounts which has balance more than 1 lac

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Print Statistics
8] Import
9] Export
10] Delete Account
11] Exit
Enter your choice: 7
Banking App Statistics:
1. No of accounts which has balance more than 1 lac
2. Show no of account by account type
3. Show no of accounts by account type with sorting
4. Show avg balance by account type
5. List account ids whose account name contains given name
1
Number of accounts with balance above 100000.0: 2
```

Show no of accounts by account type

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Print Statistics
8] Import
9] Export
10] Delete Account
11] Exit
Enter your choice: 7
Banking App Statistics:
1. No of accounts which has balance more than 1 lac
2. Show no of account by account type
3. Show no of accounts by account type with sorting
4. Show avg balance by account type
5. List account ids whose account name contains given name
2
 Show no of account by account type:
SAVING: 4
CURRENT: 2
```

Show no of accounts by account type with sorting

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Print Statistics
8] Import
9] Export
10] Delete Account
11] Exit
Enter your choice: 7
Banking App Statistics:
1. No of accounts which has balance more than 1 lac
2. Show no of account by account type
3. Show no of accounts by account type with sorting
4. Show avg balance by account type
5. List account ids whose account name contains given name
3
Number of accounts by account type with sorting
Account Type: CURRENT, Count: 2
Account Type: SAVING, Count: 4
```

Show avg balance by account type

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Print Statistics
8] Import
9] Export
10] Delete Account
11] Exit
Enter your choice: 7
Banking App Statistics:
1. No of accounts which has balance more than 1 lac
2. Show no of account by account type
3. Show no of accounts by account type with sorting
4. Show avg balance by account type
5. List account ids whose account name contains given name
4
Average balance by account type:
Account Type: SAVING, Avg Balance: 252775.0
Account Type: CURRENT, Avg Balance: 550000.0
```

List account ids whose account name contains given name

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Print Statistics
8] Import
9] Export
10] Delete Account
11] Exit
Enter your choice: 7
Banking App Statistics:
1. No of accounts which has balance more than 1 lac
2. Show no of account by account type
3. Show no of accounts by account type with sorting
4. Show avg balance by account type
5. List account ids whose account name contains given name
5
Enter account name to search:
vijay
Account IDs with account name containing "vijay":
101
102
106
```