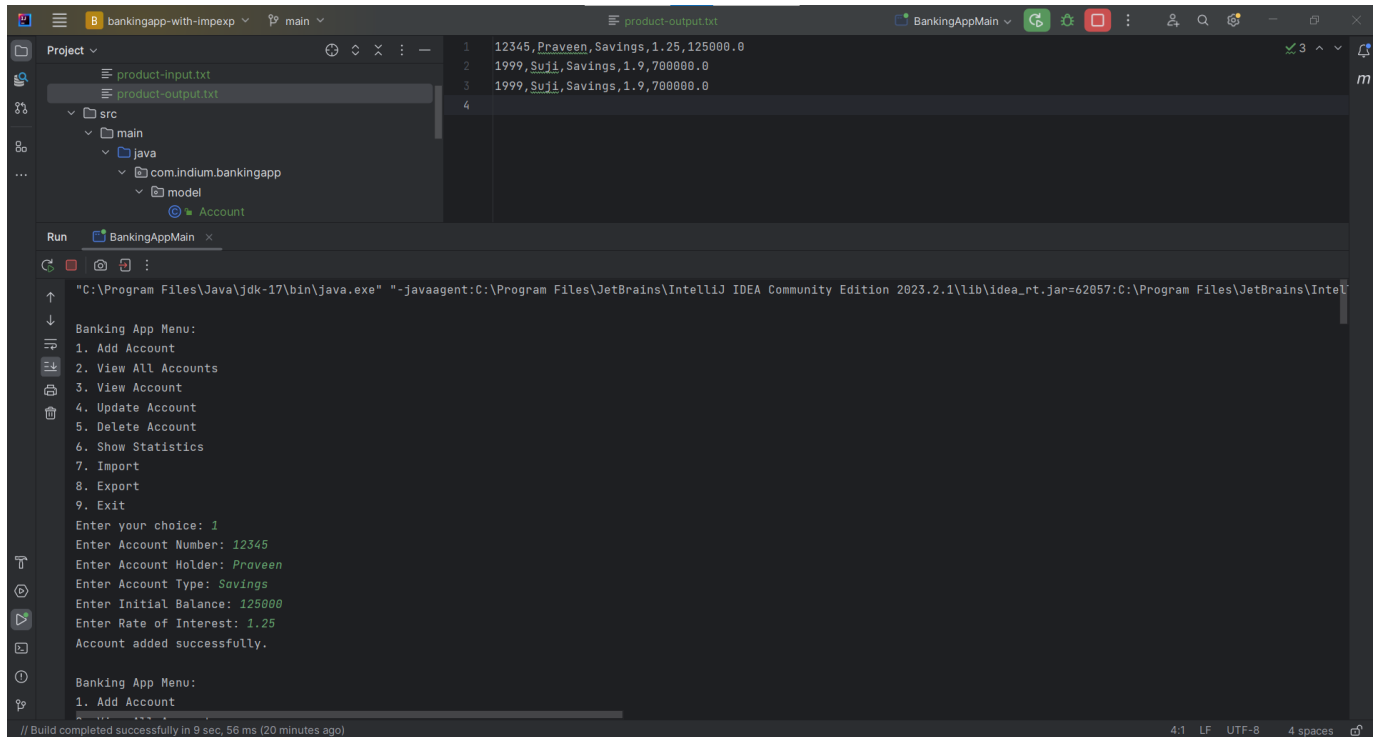


BANKING APP

WITH IMPORT EXPORT IMPLEMENTATION



```
Project
├── product-input.txt
├── product-output.txt
├── src
│   └── main
│       └── java
│           └── com.indium.bankingapp
│               └── model
│                   └── Account

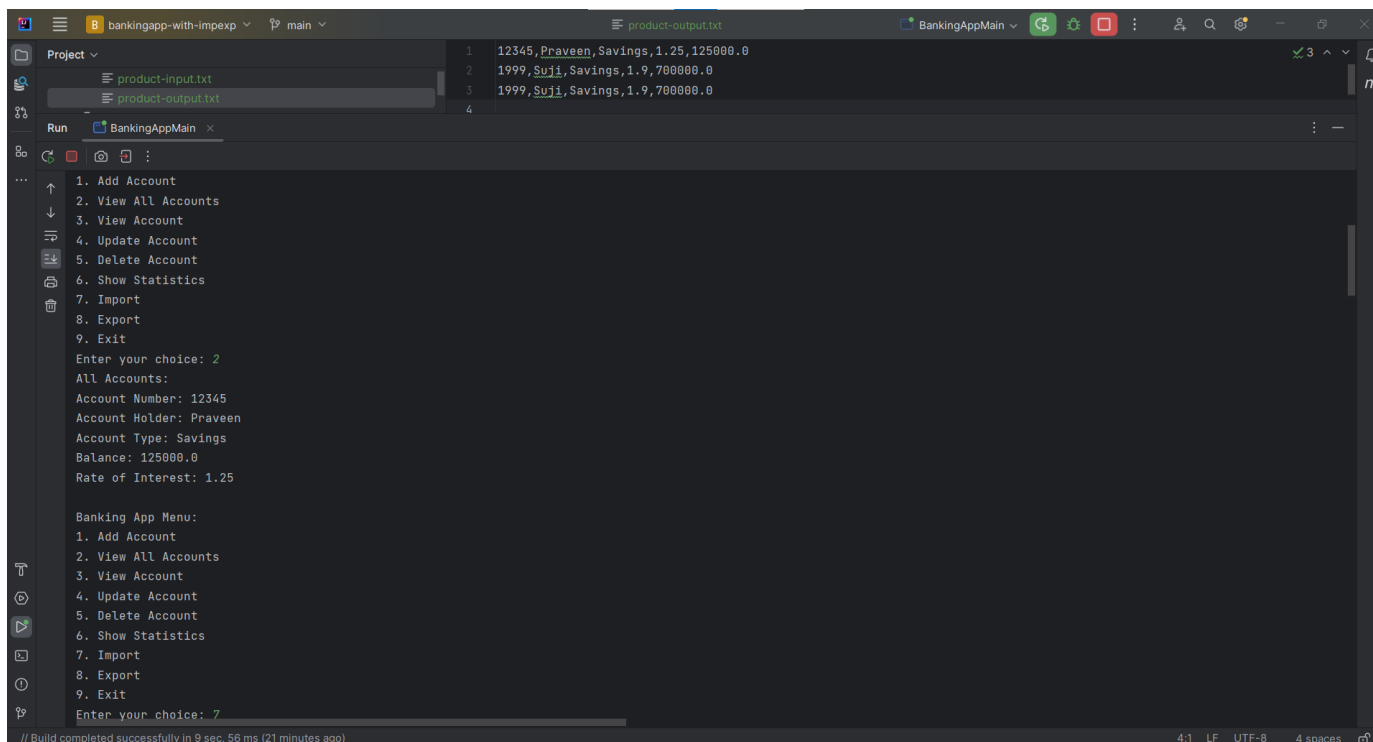
Run
BankingAppMain

"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=62057:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin" -Didea.config.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\conf -Didea.copyright.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\copyright.xml -Didea.home.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin -Didea.platform.prefix=Java -Didea.vendor.id=idea -Djava.awt.headless=true -Djava.class.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.library.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.io.tmpdir=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.awt.headless=true -Djava.class.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.library.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.io.tmpdir=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar

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: 12345
Enter Account Holder: Praveen
Enter Account Type: Savings
Enter Initial Balance: 125000
Enter Rate of Interest: 1.25
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: 7

// Build completed successfully in 9 sec, 56 ms (20 minutes ago)
4:1 LF UTF-8 4 spaces
```



```
Project
├── product-input.txt
├── product-output.txt
├── src
│   └── main
│       └── java
│           └── com.indium.bankingapp
│               └── model
│                   └── Account

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=62057:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin" -Didea.config.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\conf -Didea.copyright.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\copyright.xml -Didea.home.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin -Didea.platform.prefix=Java -Didea.vendor.id=idea -Djava.awt.headless=true -Djava.class.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.library.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.io.tmpdir=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.awt.headless=true -Djava.class.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.library.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar -Djava.io.tmpdir=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\idea_rt.jar

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: 12345
Account Holder: Praveen
Account Type: Savings
Balance: 125000.0
Rate of Interest: 1.25

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

// Build completed successfully in 9 sec, 56 ms (21 minutes ago)
4:1 LF UTF-8 4 spaces
```

```
Project 1 1999,Suji,Savings,1.9,700000
product-input.txt 2
Run BankingAppMain
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
All Accounts:
Account Number: 12345
Account Holder: Praveen
Account Type: Savings
Balance: 125000.0
Rate of Interest: 1.25
Account Number: 1999
Account Holder: Suji
Account Type: Savings
Balance: 700000.0
Rate of Interest: 1.9

Banking App Menu:
// Build completed successfully in 9 sec, 56 ms (22 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
Project 1 1999,Suji,Savings,1.9,700000
product-input.txt 2
Run BankingAppMain
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
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

Statistics Menu:
// Build completed successfully in 9 sec, 56 ms (23 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp  main  product-input.txt
1 1999,Suji,Savings,1.9,700000
2

Run BankingAppMain x

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

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: 412500.0

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 your choice: 5
// Build completed successfully in 9 sec, 56 ms (23 minutes ago) 2:1 CRLF UTF-8 4 spaces
```

```
bankingapp-with-impexp  main  product-input.txt
1 1999,Suji,Savings,1.9,700000
2

Run BankingAppMain x

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: 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
// Build completed successfully in 9 sec, 56 ms (24 minutes ago) 2:1 CRLF UTF-8
```

```
BankingAppMain
product-output.txt
main
Project
product-input.txt
product-output.txt
Run
BankingAppMain
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: 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
12345,Praveen,Savings,1.25,125000.0
1999,Suji,Savings,1.9,700000.0
1999,Suji,Savings,1.9,700000.0
// Build completed successfully in 9 sec, 56 ms (24 minutes ago)
```

The screenshot shows an IDE with the following content:

Top Pane (product-output.txt):

```
1 12345,Praveen,Savings,1.25,125000.0
2 1999,Suji,Savings,1.9,700000.0
3 1999,Suji,Savings,1.9,700000.0
4
```

Bottom Pane (BankingAppMain):

```
4. Update Account
5. Delete Account
6. Show Statistics
7. Import
8. Export
9. Exit
Enter your choice: 2
All Accounts:
Account Number: 12345
Account Holder: Praveen
Account Type: Savings
Balance: 125000.0
Rate of Interest: 1.25
Account Number: 1999
Account Holder: Suji
Account Type: Savings
Balance: 700000.0
Rate of Interest: 1.9
Account Number: 1999
Account Holder: Suji
Account Type: Savings
Balance: 700000.0
Rate of Interest: 1.9

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

Status Bar: // Build completed successfully in 9 sec, 56 ms (25 minutes ago)

bankingapp-with-impexpmain

product-output.txt

BankingAppMain

Project

product-input.txt

product-output.txt

Run

BankingAppMain

1

12345,Praveen,Savings,1.25,125000.0

2

1999,Suji,Savings,1.9,700000.0

3

1999,Suji,Savings,1.9,700000.0

4

Rate of Interest: 1.25

Account Number: 1999

Account Holder: Suji

Account Type: Savings

Balance: 700000.0

Rate of Interest: 1.9

Account Number: 1999

Account Holder: Suji

Account Type: Savings

Balance: 700000.0

Rate of Interest: 1.9

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 9 sec, 56 ms (25 minutes ago)

4:1LFUTF-84 spaces