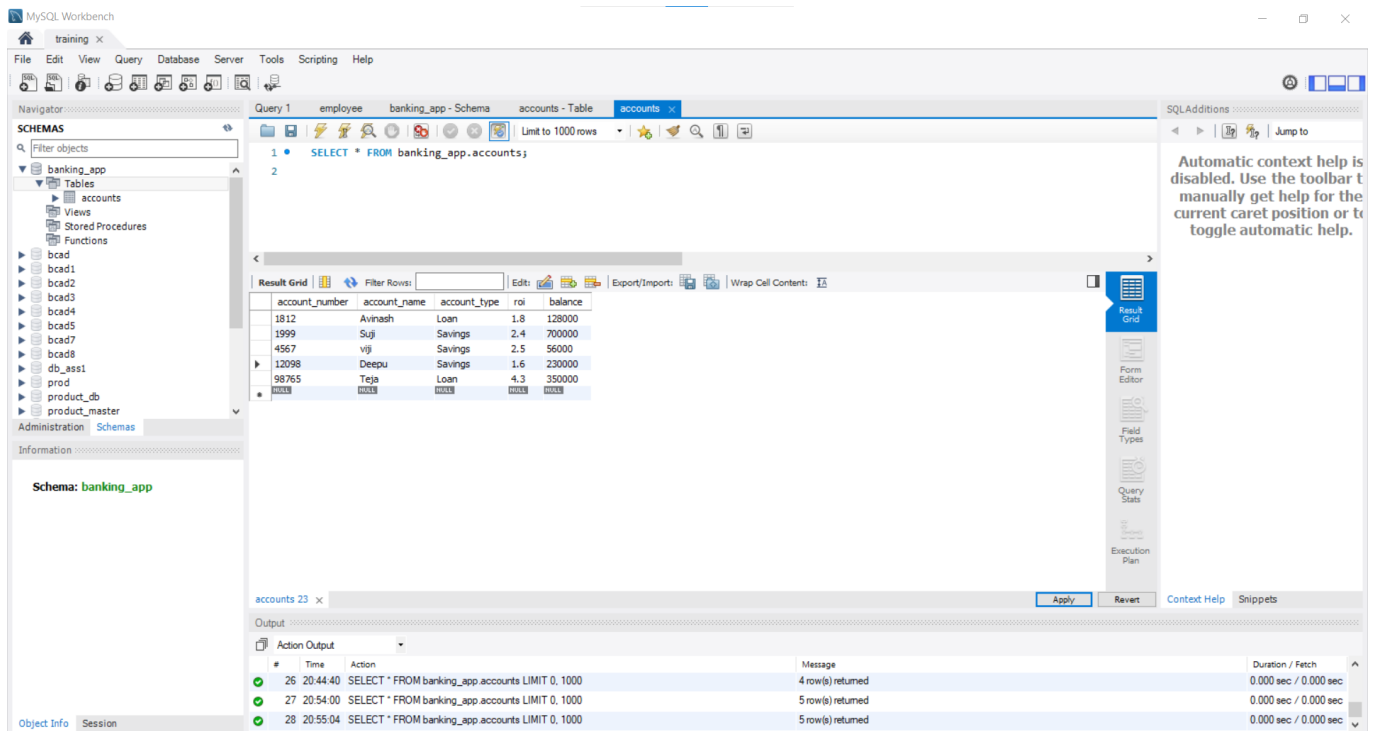
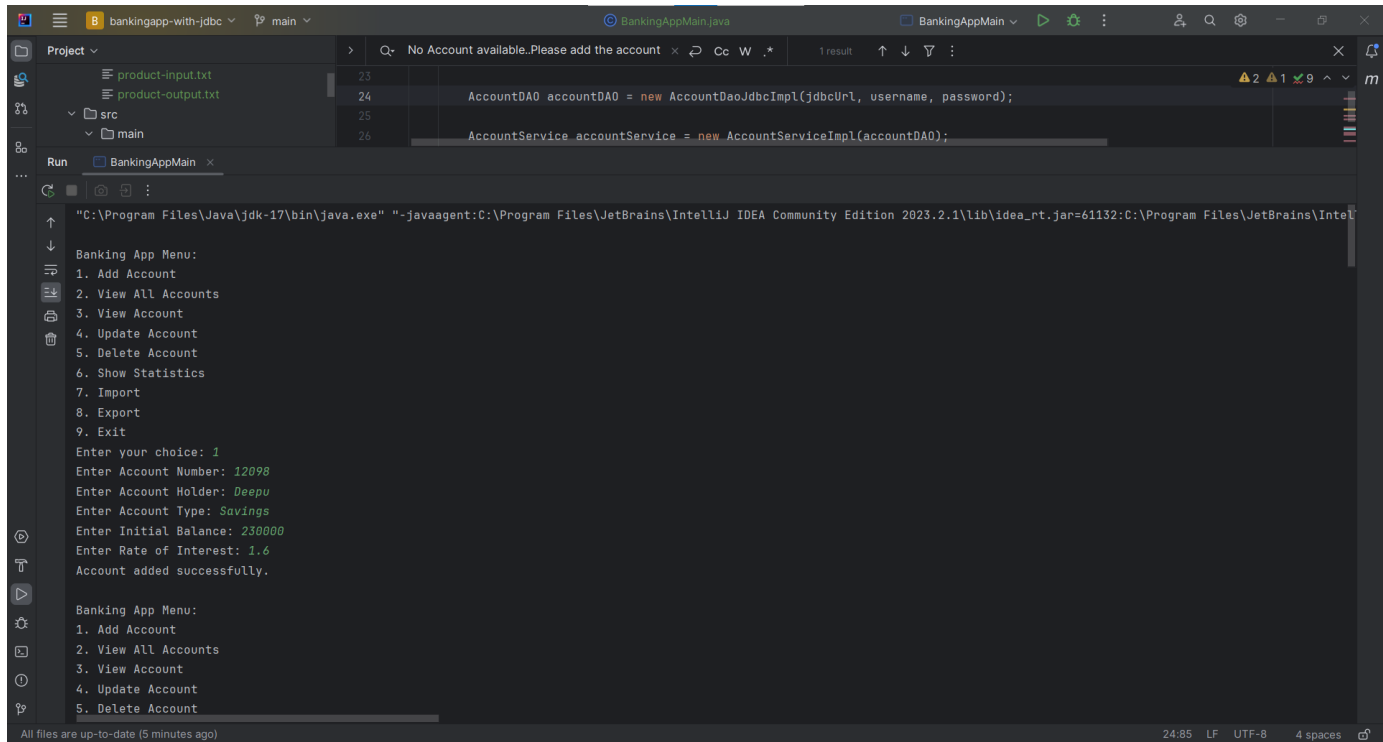


# BANKING APP

## WITH JDBC IMPLEMENTATION



bankingapp-with-jdbc main BankingAppMain.java

Project

- product-input.txt
- product-output.txt
- src
  - main

Run BankingAppMain

```
23
24 AccountDAO accountDAO = new AccountDaoJdbcImpl(jdbcUrl, username, password);
25
26 AccountService accountService = new AccountServiceImpl(accountDAO);
```

4. Update Account  
5. Delete Account  
6. Show Statistics  
7. Import  
8. Export  
9. Exit  
Enter your choice: 1  
Enter Account Number: 98765  
Enter Account Holder: Teja  
Enter Account Type: Loan  
Enter Initial Balance: 350000  
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  
8. Export  
9. Exit  
Enter your choice: 2  
All Accounts:

All files are up-to-date (6 minutes ago) 24:85 LF UTF-8 4 spaces

MySQL Workbench

training x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- banking\_app
  - Tables
    - accounts
  - Views
  - Stored Procedures
  - Functions
- bcad
- bcad1
- bcad2
- bcad3
- bcad4
- bcad5
- bcad7
- bcad8
- db\_ess1
- prod
- product\_db
- product\_master

Administration Schemas

Information

Schema: banking\_app

Query 1 employee banking\_app - Schema accounts - Table accounts

Limit to 1000 rows

```
1 SELECT * FROM banking_app.accounts;
2
```

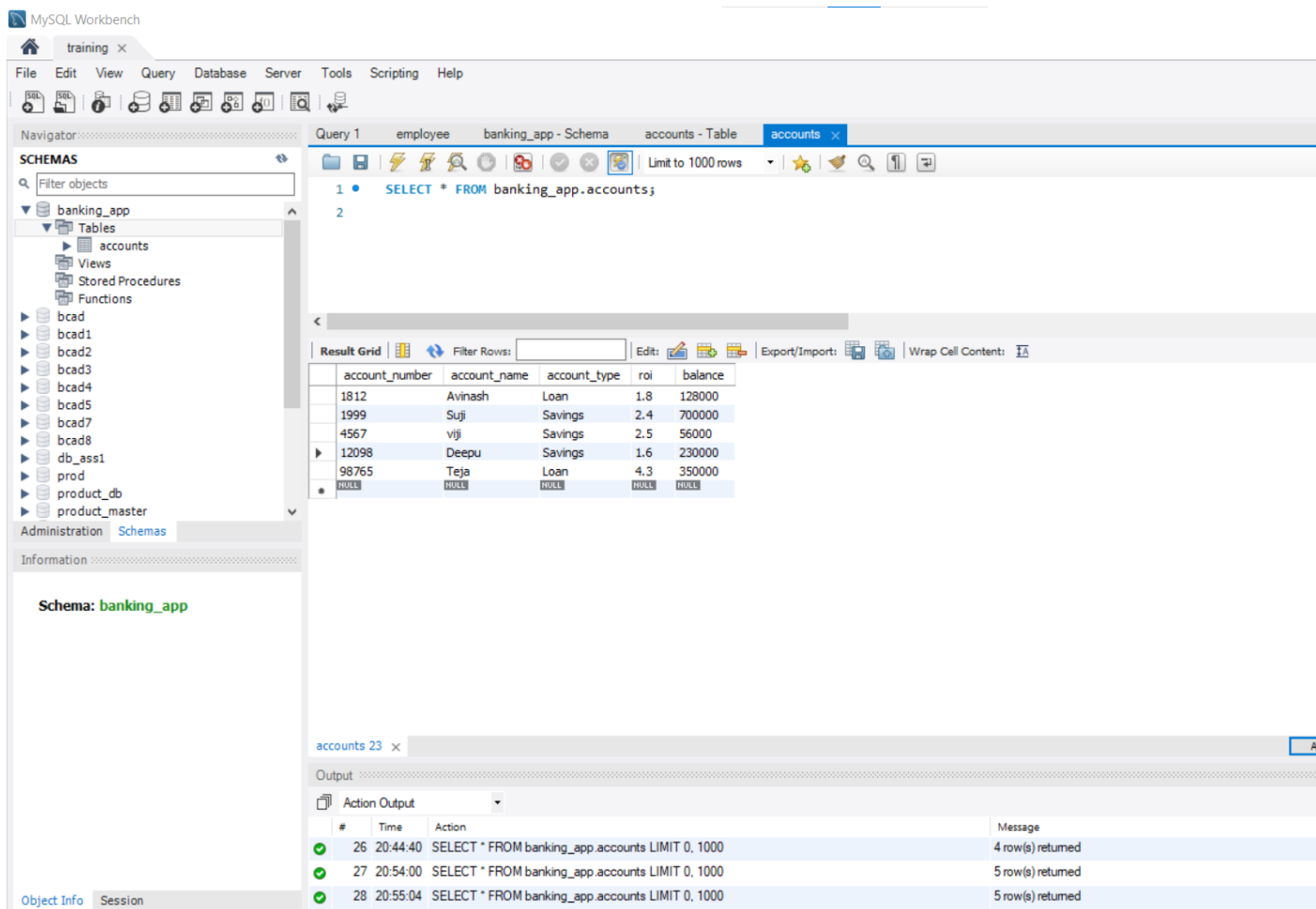
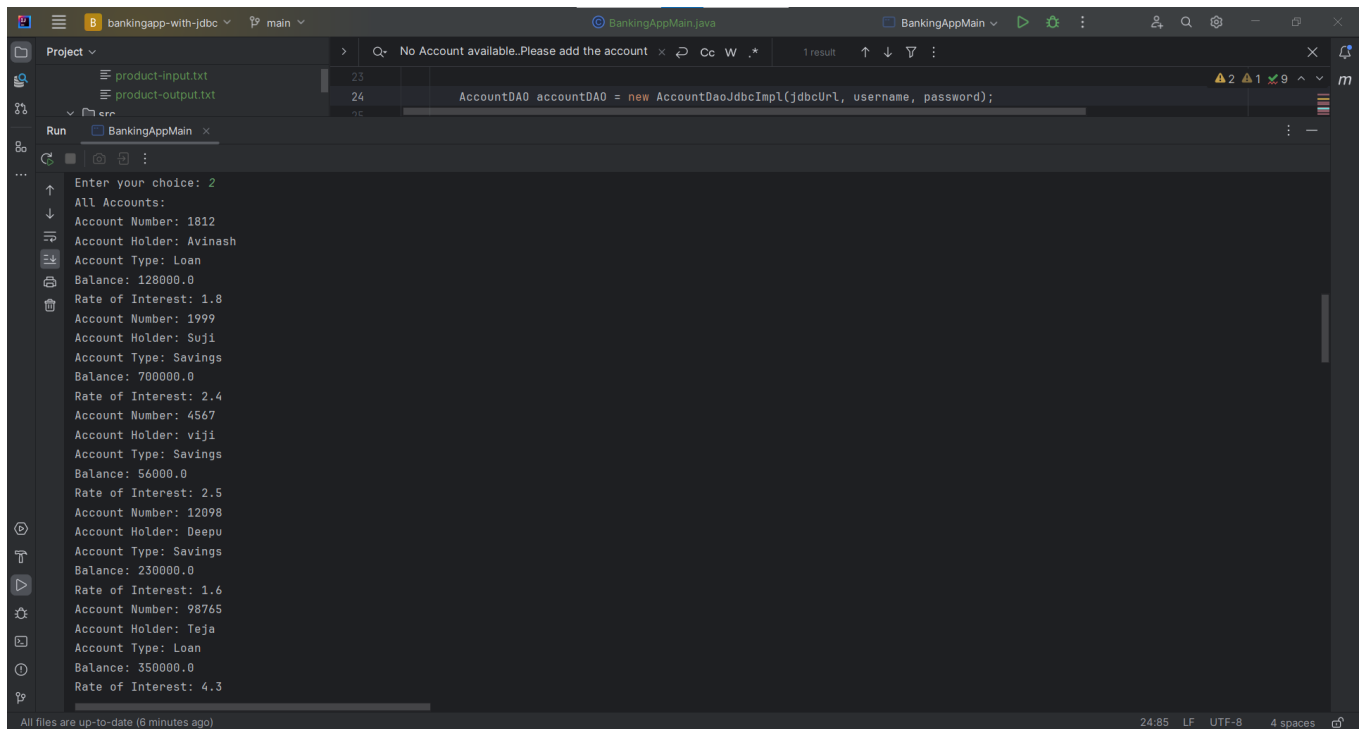
Result Grid

account_number	account_name	account_type	rol	balance
1812	Avinash	Loan	1.8	128000
1999	Suj	Savings	2.4	700000
4567	vij	Savings	2.5	56000
12098	Deepu	Savings	1.6	230000
98765	Teja	Loan	4.3	350000
NULL	NULL	NULL	NULL	NULL

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid  
Form Editor  
Field Types  
Query Stats  
Execution Plan



bankingapp-with-jdbcmain

BankingAppMain.java

BankingAppMain

No Account available..Please add the account

1 result

product-input.txt23

product-output.txt24

AccountDAO accountDAO = new AccountDaoJdbcImpl(jdbcUrl, username, password);

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: 98765

Account Number: 98765

Account Holder: Teja

Account Type: Loan

Balance: 350000.0

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

All files are up-to-date (7 minutes ago)

24.85LFUTF-84 spaces



```
Project > > Q No Account available..Please add the account Cc W * 1 result ↑ ↓ V :
product-input.txt 23
product-output.txt 24 AccountDAO accountDAO = new AccountDaoJdbcImpl(jdbcUrl, username, password);
err 25

Run BankingAppMain x
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: 4567
Account deleted 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: 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
```

MySQL Workbench

training x

File Edit View Query Database Server Tools Scripting Help

Navigator: training x

SCHEMAS

Filter objects

banking\_app

Tables

accounts

Views

Stored Procedures

Functions

bcad

bcad1

bcad2

bcad3

bcad4

bcad5

bcad7

bcad8

db\_ass1

prod

product\_db

product\_master

Administration Schemas

Information

Query 1 employee banking\_app - Schema accounts - Table accounts x

Limit to 1000 rows

1 • SELECT \* FROM banking\_app.accounts;

2

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

account_number	account_name	account_type	roi	balance
1812	Avinash	Loan	1.8	128000
1999	Suji	Savings	2.4	700000
12098	Rohit Deepu	Deposit	13	675000
98765	Teja	Loan	4.3	350000
NULL	NULL	NULL	NULL	NULL

```
Project > Q- No Account available..Please add the account x Cc W .* 1 result ↑ ↓ 🔍 :
product-input.txt 23
product-output.txt 24 AccountDAO accountDAO = new AccountDaoJdbcImpl(jdbcUrl, username, password);
Run BankingAppMain x
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
Contents of accountTypeCounts: {Savings=2, Loan=1}
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
```

All files are up-to-date (8 minutes ago) 24:85 LF UTF-8

```
Project > Q- No Account available..Please add the account x Cc W .* 1 result ↑ ↓ 🔍 :
product-input.txt 23
product-output.txt 24 AccountDAO accountDAO = new AccountDaoJdbcImpl(jdbcUrl, username, password);
Run BankingAppMain x
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
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: 378000.0
Account Type: Loan, Average Balance: 128000.0

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

All files are up-to-date (9 minutes ago) 24:85 LF UTF-8

bankingapp-with-jdbcmainBankingAppMain.javaBankingAppMain

Project

product-input.txt23  
product-output.txt24  
AccountDAO accountDAO = new AccountDaoJdbcImpl(jdbcUrl, username, password);25

RunBankingAppMain

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: *Suji*  
Matching Account Number:  
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:

// Build completed successfully in 3 sec, 235 ms (25 minutes ago)24:85 LF UTF-8



```
Project
├── product-input.txt
└── product-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: 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: 1812
Account Holder: Avinash
Account Type: Loan
Balance: 128000
// Build completed successfully in 3 sec, 235 ms (28 minutes ago)
```

MySQL Workbench

training x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

banking\_app

Tables

accounts

Views

Stored Procedures

Functions

bcad

bcad1

bcad2

bcad3

bcad4

bcad5

bcad7

bcad8

db\_ass1

prod

product\_db

product\_master

Administration Schemas

Information

Schema: banking\_app

Query 1

employee banking\_app - Schema accounts - Table accounts

Limit to 1000 rows

1 • SELECT \* FROM banking\_app.accounts;

2

Result Grid

account_number	account_name	account_type	roi	balance
1812	Avinash	Loan	1.8	128000
1999	Suji	Savings	2.4	700000
2222	Keerthana	Loan	11	450000
3333	Abdul	Savings	2.9	705000
12098	Rohit Deepu	Deposit	13	675000
98765	Teja	Loan	4.3	350000
NULL	NULL	NULL	NULL	NULL

bankingapp-with-jdbcmainproduct-output.txtBankingAppMain

Project

product-input.txtproduct-output.txtsrcmainjavacom.indium.bankingapp

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: 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

1

2

3

4

5

6

7

1812,Avinash,Loan,1.8,128000.0

1999,Suji,Savings,2.4,700000.0

2222,Keerthana,Loan,11.0,450000.0

3333,Abdul,Savings,2.9,705000.0

12098,Rohit Deepu,Deposit,13.0,675000.0

98765,Teja,Loan,4.3,350000.0

// Build completed successfully in 3 sec, 235 ms (33 minutes ago)7:1 LF UTF-8

bankingapp-with-jdbcmainproduct-output.txtBankingAppMain

Project

product-input.txtproduct-output.txtsrcmainjavacom.indium.bankingapp

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: 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: 9

Thanks for visiting the app..

Process finished with exit code 0

1

2

3

4

5

6

7

1812,Avinash,Loan,1.8,128000.0

1999,Suji,Savings,2.4,700000.0

2222,Keerthana,Loan,11.0,450000.0

3333,Abdul,Savings,2.9,705000.0

12098,Rohit Deepu,Deposit,13.0,675000.0

98765,Teja,Loan,4.3,350000.0

// Build completed successfully in 3 sec, 235 ms (34 minutes ago)7:1 LF UTF-8