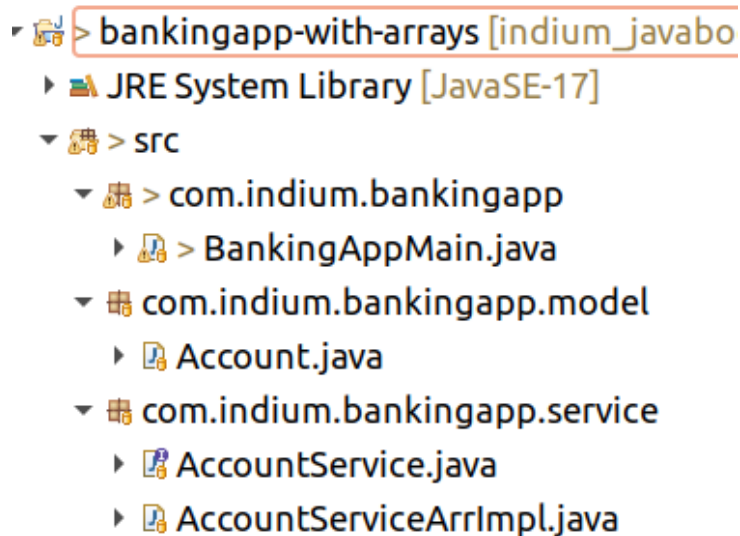


**Assignment 5:** Build a Java Console-based Banking App with the below functionalities using Arrays

- 1] Add Account
- 2] View All Accounts
- 3] View Account
- 4] Update Account
- 5] Delete Account
- 6] Exit

**Folder structure:**



**Add account:**

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 1
Enter account number: 101
Enter account holder's name: vijay kumar
Enter initial balance: 1000

Account added successfully.
Account ID: 101

1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice:
```

### Adding a new account with an existing account number:

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 1
Enter account number: 101
Account number already exists. Please choose a different account number.
Enter account number:
```

### View All Accounts:

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 2
All Accounts:
+-----+-----+-----+
| Account Number | Account Holder | Account Balance |
+-----+-----+-----+
| 101            | vijay kumar    | $1000.00        |
+-----+-----+-----+
| 102            | balaji         | $20000.00       |
+-----+-----+-----+
| 103            | shemu          | $30000.00       |
+-----+-----+-----+

1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice:
```

### View Account by Account Number:

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 3
Enter account number to view: 103
```

```
Account Number: 103
Account Holder: shemu
Account Balance: $30000.0
```

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice:
```

### Update Account:

```
Account Number: 103
Account Holder: shemu
Account Balance: $30000.0
```

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 4
Enter account number to update: 103
Update account holder's name: Shemu Bandi
Account updated successfully.
```

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 2
```

All Accounts:

Account Number	Account Holder	Account Balance
101	vijay kumar	\$1000.00
102	balaji	\$20000.00
103	Shemu Bandi	\$30000.00

## Deposit Amount:

```
1) Add Account
2) View All Accounts
3) View Account
4) Update Account
5) Deposit Amount
6) Withdraw Amount
7) Delete Account
8) Exit
Enter your choice: 5
Enter account number to deposit: 103
Enter Amount
50000
Deposit Amount: 50000.0
Current Balance: 80000.0
Amount successfully deposited
```

```
1) Add Account
2) View All Accounts
3) View Account
4) Update Account
5) Deposit Amount
6) Withdraw Amount
7) Delete Account
8) Exit
Enter your choice: 2
All Accounts:
```

Account Number	Account Holder	Account Balance
101	vijay kumar	\$1000.00
102	balaji	\$20000.00
103	Shemu Bandi	\$80000.00

## Withdrawal Amount

```
1) Add Account
2) View All Accounts
3) View Account
4) Update Account
5) Deposit Amount
6) Withdraw Amount
7) Delete Account
8) Exit
Enter your choice: 6
Enter account number to withdraw: 103
Enter Amount
30000
Withdrawal Amount: 30000.0
Current Balance: 50000.0
Successful withdrawal of money
```

```
1) Add Account
2) View All Accounts
3) View Account
4) Update Account
5) Deposit Amount
6) Withdraw Amount
7) Delete Account
8) Exit
Enter your choice: 2
All Accounts:
```

Account Number	Account Holder	Account Balance
101	vijay kumar	\$1000.00
102	balaji	\$20000.00
103	Shemu Bandi	\$50000.00

If user withdrawal amount is higher:

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 6
Enter account number to withdraw: 103
Enter Amount
60000
Insufficient funds.
withdrawal failed

1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 2
All Accounts:
+-----+-----+-----+
| Account Number | Account Holder | Account Balance |
+-----+-----+-----+
| 101            | vijay kumar    | $1000.00        |
+-----+-----+-----+
| 102            | balaji         | $20000.00       |
+-----+-----+-----+
| 103            | Shemu Bandi    | $50000.00       |
+-----+-----+-----+
```

## Delete Account

```
1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 7
Enter account number to delete: 102
Account deleted successfully.

1] Add Account
2] View All Accounts
3] View Account
4] Update Account
5] Deposit Amount
6] Withdraw Amount
7] Delete Account
8] Exit
Enter your choice: 2
All Accounts:
+-----+-----+-----+
| Account Number | Account Holder | Account Balance |
+-----+-----+-----+
| 101            | vijay kumar    | $1000.00        |
+-----+-----+-----+
| 103            | Shemu Bandi    | $50000.00       |
+-----+-----+-----+
```