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Package Explorer ×

BankingAppArrays.java ×

```java
1 package com.bankingapp.arrays;
2
3 import java.util.Scanner;
4
5 class BankAccount {
6     int accountNumber;
7     String accountHolder;
8     double balance;
9
10     public BankAccount(int accountNumber, String accountHolder, double balance) {
11         this.accountNumber = accountNumber;
12         this.accountHolder = accountHolder;
13         this.balance = balance;
14     }
15 }
16
17 public class BankingAppArrays {
18
19     static final int MAX_ACCOUNTS = 100;
20     static BankAccount[] accounts = new BankAccount[MAX_ACCOUNTS];
21     static int totalAccounts = 0;
22
23     public static void addAccount(int accountNumber, String accountHolder, double balance
24         if (totalAccounts < MAX_ACCOUNTS) {
25             accounts[totalAccounts++] = new BankAccount(accountNumber, accountHolder, bal
26             System.out.println("Account added successfully.");
27         } else {
28             System.out.println("Maximum number of accounts reached.");
29         }
30     }
```

- bankingapp-with-arrays [indium_javabootcamp-bat
  - JRE System Library [JavaSE-17]
  - src
    - com.bankingapp.arrays
      - BankingAppArrays.java

Task List ×

Find   ▸ All ▸ Activate...

ⓘ **Connect Mylyn**

Connect to your task and ALM tools o
create a local task.

Outline ×

- com.bankingapp.arrays
- BankAccount
- BankingAppArrays

Problems · Javadoc · Declaration · Console ×

BankingAppArrays [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (01-Sep-2023, 10:26:13 am) [pid: 15676]

6] Exit
Enter your choice: 3

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Package Explorer ×

- bankingapp-with-arrays [indium_javabootcamp-batc]
  - JRE System Library [JavaSE-17]
  - src
    - com.bankingapp.arrays
      - BankingAppArrays.java

BankingAppArrays.java ×

```java
31
32    public static void viewAllAccounts() {
33        System.out.println("All Accounts:");
34        for (int i = 0; i < totalAccounts; i++) {
35            System.out.println("Account Number: " + accounts[i].accountNumber);
36            System.out.println("Account Holder: " + accounts[i].accountHolder);
37            System.out.println("Balance: " + accounts[i].balance);
38            System.out.println("--------------");
39        }
40    }
41
42    public static void viewAccount(int accountNumber) {
43        for (int i = 0; i < totalAccounts; i++) {
44            if (accounts[i].accountNumber == accountNumber) {
45                System.out.println("Account Number: " + accounts[i].accountNumber);
46                System.out.println("Account Holder: " + accounts[i].accountHolder);
47                System.out.println("Balance: " + accounts[i].balance);
48                return;
49            }
50        }
51        System.out.println("Account not found.");
52    }
53
54    public static void updateAccount(int accountNumber, double newBalance) {
55        for (int i = 0; i < totalAccounts; i++) {
56            if (accounts[i].accountNumber == accountNumber) {
57                accounts[i].balance = newBalance;
58                System.out.println("Account updated successfully.");
59                return;
60            }
61        }
```

Problems Javadoc Declaration Console ×

BankingAppArrays [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (01-Sep-2023, 10:26:13 am) [pid: 15676]
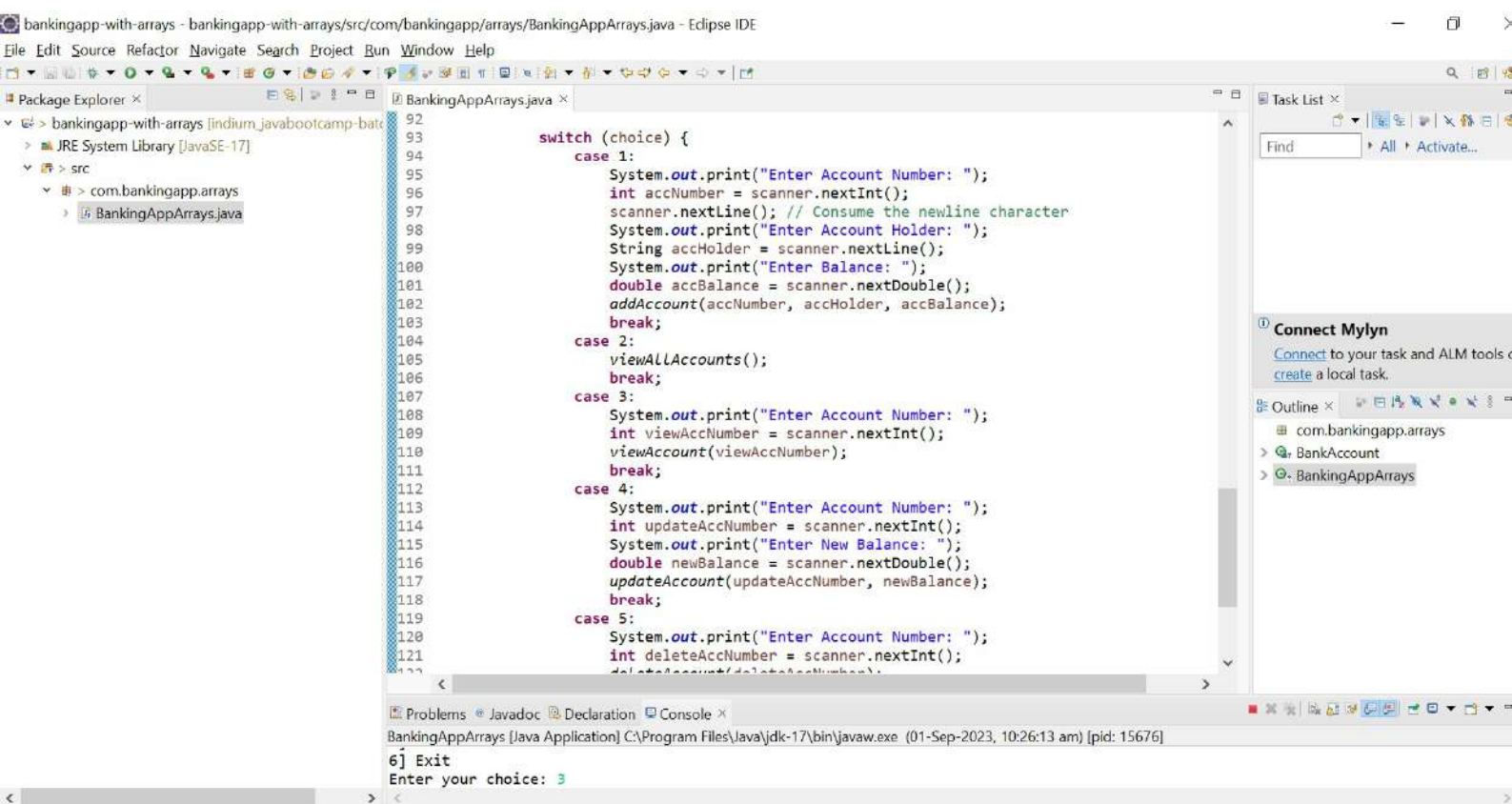
6] Exit
Enter your choice: 3

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Task List ×

Find   ▸ All ▸ Activate...

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Package Explorer ×

- bankingapp-with-arrays [indium_javabootcamp-bat
  - JRE System Library [JavaSE-17]
  - src
    - com.bankingapp.arrays
      - BankingAppArrays.java

BankingAppArrays.java ×

```
62              System.out.println("Account not found.");
63      }
64
65      public static void deleteAccount(int accountNumber) {
66          for (int i = 0; i < totalAccounts; i++) {
67              if (accounts[i].accountNumber == accountNumber) {
68                  for (int j = i; j < totalAccounts - 1; j++) {
69                      accounts[j] = accounts[j + 1];
70                  }
71                  totalAccounts--;
72                  System.out.println("Account deleted successfully.");
73                  return;
74              }
75          }
76          System.out.println("Account not found.");
77      }
78
79      public static void main(String[] args) {
80          Scanner scanner = new Scanner(System.in);
81
82          while (true) {
83              System.out.println("Banking App Menu:");
84              System.out.println("1] Add Account");
85              System.out.println("2] View All Accounts");
86              System.out.println("3] View Account");
87              System.out.println("4] Update Account");
88              System.out.println("5] Delete Account");
89              System.out.println("6] Exit");
90              System.out.print("Enter your choice: ");
91              int choice = scanner.nextInt();
```

Task List ×

Find   ▸ All ▸ Activate...

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Package Explorer ×

∨ 😅 > bankingapp-with-arrays [indium_javabootcamp-bat
  ∨ 🐚 JRE System Library [JavaSE-17]
  ∨ 🐨 > src
    ∨ 🐨 > com.bankingapp.arrays
      > 🗎 BankingAppArrays.java

BankingAppArrays.java ×

```java
 92                switch (choice) {
 93                    case 1:
 94                        System.out.print("Enter Account Number: ");
 95                        int accNumber = scanner.nextInt();
 96                        scanner.nextLine(); // Consume the newline character
 97                        System.out.print("Enter Account Holder: ");
 98                        String accHolder = scanner.nextLine();
 99                        System.out.print("Enter Balance: ");
100                        double accBalance = scanner.nextDouble();
101                        addAccount(accNumber, accHolder, accBalance);
102                        break;
103                    case 2:
104                        viewAllAccounts();
105                        break;
106                    case 3:
107                        System.out.print("Enter Account Number: ");
108                        int viewAccNumber = scanner.nextInt();
109                        viewAccount(viewAccNumber);
110                        break;
111                    case 4:
112                        System.out.print("Enter Account Number: ");
113                        int updateAccNumber = scanner.nextInt();
114                        System.out.print("Enter New Balance: ");
115                        double newBalance = scanner.nextDouble();
116                        updateAccount(updateAccNumber, newBalance);
117                        break;
118                    case 5:
119                        System.out.print("Enter Account Number: ");
120                        int deleteAccNumber = scanner.nextInt();
121
```

Task List ×

Find   ▸ All ▸ Activate...

ⓘ **Connect Mylyn**
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Outline ×
  ⊞ com.bankingapp.arrays
  > ⊕ BankAccount
  > ⊙ BankingAppArrays

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      - BankingAppArrays.java

BankingAppArrays.java ×

```
            break;
104     case 2:
105         viewAllAccounts();
106         break;
107     case 3:
108         System.out.print("Enter Account Number: ");
109         int viewAccNumber = scanner.nextInt();
110         viewAccount(viewAccNumber);
111         break;
112     case 4:
113         System.out.print("Enter Account Number: ");
114         int updateAccNumber = scanner.nextInt();
115         System.out.print("Enter New Balance: ");
116         double newBalance = scanner.nextDouble();
117         updateAccount(updateAccNumber, newBalance);
118         break;
119     case 5:
120         System.out.print("Enter Account Number: ");
121         int deleteAccNumber = scanner.nextInt();
122         deleteAccount(deleteAccNumber);
123         break;
124     case 6:
125         System.out.println("Exiting the Banking App.");
126         scanner.close();
127         System.exit(0);
128     default:
129         System.out.println("Invalid choice. Please enter a valid option.");
130         }
131     }
132     }
133 }
```

Task List ×

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