Banking App Program using TreeMap Screenshots

1. Add Accounts & View All Accounts

```
□ Console ×

    BankingApp.java 
    ↑
    package com.indium.bankingapp;

                                                                                                                                                                                                                                                                                                                                                                                                                                                                BankingApp (4) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclips Welcome to Banking Application!
                              mimport java.util.Collection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Welcome to sanking application.

1. Add Accounts
2. View All Accounts
3. Update Service Servic
                  16
17 public class BankingApp {
18 private static Scanner {n;
19 private static AccountService accountService;
20 private static AccountService accountService;
                                                   1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
                                                                                                    int option = 0;
option = Integer.parseInt(in.next());
switch (option) {
                                                                                                  case 1:
    addAccount();
    System.out.println("Account has been added successfull)
    break;
    case 2:
    viewAlLIAccounts();
    break;
    case 3:
    System.out.print("Enter the Account Id: ");
    int id = 'in.nextInt();
    Account acc = viewAccount(id);
    printHeader();
    printHeader();
    printDetail(acc);
    break;
    case 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Is Active
true
true
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name Type
Stella Savings
Steffy Savings
                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
                                                                                                                                4:
indateAccor
                                                                                                                          updateAccount();
Svstem.out.println("Account has been updated successful"
```

2. View Account , Update Account , Delete Account

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    X ¾ R<sub>1</sub> R<sub>2</sub> R

package com.indium.bankingapp;
                                                                                                                                                △ ■ BankingApp (4) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk
                                                                                                                                                        1. Add Accounts
    3⊕ import java.util.Collection;
                                                                                                                                                        2. View All Accounts
3. View Account
4. Update Account
    public class BankingApp {
                 private static Scanner in;
private static AccountService;
                                                                                                                                                        5. Delete Account
6. Exit
                                                                                                                                                        Enter the option: 3
Enter the Account Id: 1
                         in = new Scanner(System.in);
                         in = new Scanner(System.in);
accountService = new AccountServiceArrListImpl();
accountService = new AccountServiceHashMapImpl();
accountService = new AccountServiceHashMapImpl();
accountService = new AccountServiceInkedListImpl();
accountService = new AccountServiceTreeMapImpl();
accountService = new AccountServiceTreeSetImpl();
                                                                                                                                                                                   Name Type
Stella Savings
                                                                                                                                                                                                                                                      Is Active
                                                                                                                                                                                                                                                        true
   25 //
   26 //
27
                                                                                                                                                       1. Add Accounts
2. View All Accounts
   28 //
                                                                                                                                                        3. View Account
                          System.out.print("Welcome to Banking Application!");
                         System.out.print("Welcome to Banking Applicat
while (true) {
    System.out.println("\n");
    System.out.println("1. Add Accounts");
    System.out.println("2. View All Accounts');
    System.out.println("3. View Account");
    System.out.println("4. Update Account");
    System.out.println("5. Delete Account");
    System.out.println("6. Exit");
    System.out.println("6. Exit");
    System.out.println("Enter the option: ");
                                                                                                                                                        4. Update Account
5. Delete Account
    31
                                                                                                                                                        6. Exit
                                                                                                                                                        Enter the option: 4
Enter the Account Id to be updated: 1
                                                                                                                                                        Enter Account Name: Hadi
Enter Account Type: Savings
Enter Account Balance: 1212
Is Account Active(Enter true or false): true
    35
    38
                                                                                                                                                        Account has been updated successfully!
                                option = Integer.parseInt(in.next());
switch (option) {
   41
                                                                                                                                                        1. Add Accounts
                                                                                                                                                        2. View All Accounts
3. View Account
                                case 1:
    44
                                                                                                                                                        4. Update Account
   45
                                        addAccount();
                                                                                                                                                        5. Delete Account
6. Exit
                                        System.out.println("Account has been added successfully
                                        break;
                                                                                                                                                        Enter the option: 5
Enter the Account Id to be deleted: 2
Account has been deleted successfully!
                                case 2:
                                        viewAllAccounts();
break;
                                case 3:
                                 System.out.print("Enter the Account Id: ");
int id = in.nextInt();
Account acc = viewAccount(id);
                                                                                                                                                        2. View All Accounts
3. View Account
                                        printHeader();
                                                                                                                                                       4. Update Account
5. Delete Account
6. Exit
                                        printDetail(acc);
                                        break;
                                case 4:
                                                                                                                                                       Enter the option: 2
                                        updateAccount();
```

3. Exit Option

```
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             □ Console ×
BankingApp (4) [Java Application] E\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdenter the Account 1d to be updated: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enter Account Name: Hadi
Enter Account Name: Hadi
Enter Account Elance: 1212
Enter Account Balance: 1212
Is Account Active(Enter true or false): true
Account has been updated successfully!
                   3⊕ import java.util.Collection;
             16
17 public class BankingApp {
18  private static Scanner in;
19  private static AccountService;
                                                   private static AccountService accountService;
public static void main(String[] args) {
    in = new Scanner(System.in);
    accountService = new AccountServiceArrListImpl();
    accountService = new AccountServiceArrListImpl();
    accountService = new AccountServiceHassMapImpl();
    accountService = new AccountServiceHassEtImpl();
    accountService = new AccountServiceFreeMapImpl();
    accountService = new AccountServiceFreeMapImpl();
    System.out.print("Welcome to Banking Application!");
    while (true) {
        System.out.println("\n");
        System.out.println("\1. Add Accounts");
        System.out.println("\2. View All Account");
        System.out.println("\4. Update Account");
        System.out.println("\5. Delete Account");
        System.out.println("\6. Exit");
        System.out.println("\6. Exit");

           1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 5
Enter the Account Id to be deleted: 2
Account has been deleted successfully!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 2
                                                                                                 int option = 0;
option = Integer.parseInt(in.next());
switch (option) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Name Type
Hadi Savings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Balance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Is Active
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1212.0
                                                                                           case 1:
    addAccount();
    System.out.println("Account has been added successfull)
    break;
case 2:
    viewALLAccounts();
    break;
case 3:
    System.out.print("Enter the Account Id: ");
    int id = in.nextInt();
    Account acc = viewAccount(id);
    printHeader();
    printDetail(acc);
    break;
case 4:
    updateAccount();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 6
| Thank you!!!
                                                                                                                                                                                                                                                                                                                                                                                                                1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
```