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import java.util.Scanner;

public class SimpleBankApp {
    static String bankTitle;
    static {
        bankTitle = "Yes Bank";
        System.out.println("*** Welcome to " + bankTitle +
" ***");
    }

    static boolean findAcc(int num, int[] arr) {
        for (int i = 0; i < arr.length; i++) {
            if (arr[i] == num) {
                return true;
            }
        }
        return false;
    }

    static int getAccIndex(int num, int[] arr) {
        for (int i = 0; i < arr.length; i++) {
            if (arr[i] == num) return i;
        }
        return -1;
    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int[] accList = new int[1000];
        String[] userName = new String[1000];
        double[] bal = new double[1000];
        String[] userMail = new String[1000];
        long[] userPhone = new long[1000];

        int totalAccounts = 0;
        int nextAccNo = 3001;

        while (true) {
            System.out.println("\n----- MENU -----");
            System.out.println("1. Open Account");
            System.out.println("2. Deposit");
            System.out.println("3. Withdraw");
            System.out.println("4. Check Details");
            System.out.println("5. Change Contact");
        }
    }
}
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        System.out.println("6. Exit");
        System.out.print("Choose option: ");

        int ch = sc.nextInt();
        sc.nextLine();

        if (ch == 1) {
            System.out.println("Creating new account..."
);
            System.out.print("Enter Name: ");
            userName[totalAccounts] = sc.nextLine();
            System.out.print("Enter First Deposit: ");
            bal[totalAccounts] = sc.nextDouble();
            sc.nextLine();
            System.out.print("Enter Email: ");
            userMail[totalAccounts] = sc.nextLine();
            System.out.print("Enter Phone Number: ");
            userPhone[totalAccounts] = sc.nextLong();

            accList[totalAccounts] = nextAccNo;
            System.out.println("Account successfully
created!");
            System.out.println("Your Account No: " +
nextAccNo);

            nextAccNo++;
            totalAccounts++;
        }
        else if (ch == 2) {
            System.out.print("Enter Account No: ");
            int acc = sc.nextInt();
            int index = getAccIndex(acc, accList);
            if (index != -1) {
                System.out.print("Enter Amount to
Deposit: ");
                double amt = sc.nextDouble();
                if (amt > 0) {
                    bal[index] += amt;
                    System.out.println("Deposit
Successful! Current Balance: " + bal[index]);
                } else {
                    System.out.println("Deposit amount
must be greater than zero!");
                }
            }
        }
    }
}
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        } else {
            System.out.println("Account Not Found."
);
        }
    }
    else if (ch == 3) {
        System.out.print("Enter Account No: ");
        int acc = sc.nextInt();
        int index = getAccIndex(acc, accList);
        if (index != -1) {
            System.out.print("Enter Amount to
Withdraw: ");

            double amt = sc.nextDouble();
            if (amt > 0 && amt <= bal[index]) {
                bal[index] -= amt;
                System.out.println("Withdrawal Done
! Remaining Balance: " + bal[index]);
            } else {
                System.out.println("Invalid Amount
or Insufficient Balance!");
            }
        } else {
            System.out.println("Account Not Found."
);
        }
    }
    else if (ch == 4) {
        System.out.print("Enter Account No: ");
        int acc = sc.nextInt();
        int index = getAccIndex(acc, accList);
        if (index != -1) {
            System.out.println("---- Account Info
----");

            System.out.println("Account No: " +
accList[index]);
            System.out.println("Name: " + userName[
index]);
            System.out.println("Email: " + userMail[
index]);
            System.out.println("Phone: " + userPhone
[index]);
            System.out.println("Balance: " + bal[
index]);
        } else {

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        System.out.println("Account Not Found."
);
    }
}
else if (ch == 5) {
    System.out.print("Enter Account No: ");
    int acc = sc.nextInt();
    int index = getAccIndex(acc, accList);
    if (index != -1) {
        sc.nextLine();
        System.out.print("New Email: ");
        userMail[index] = sc.nextLine();
        System.out.print("New Phone: ");
        userPhone[index] = sc.nextLong();
        System.out.println("Contact Information
Updated.");
    } else {
        System.out.println("Account Not Found."
);
    }
}
else if (ch == 6) {
    System.out.println("Thank you for banking
with " + bankTitle + "!");
    break;
}
else {
    System.out.println("Invalid Option! Try
again.");
}
}
}
```