

Assignment Problems: Phone Banking System

Problem Description:

A phone banking system has four different types of options. Each option has its own requirements from the caller:

The list of options:

1: Inquiring about account type

- The system should prompt the caller to enter his account number.
- If the account number is an odd number, the account is “Checking” account; otherwise it is a “Savings” account.

2: Inquiring about bank’s working hours

- The system should ask the user if he is inquiring about “weekdays” by entering D or “weekends” by entering E.
- If ‘D’, then “Bank working hours during weekdays are from 9 AM to 5PM”
- If ‘E’, then “Bank working hours during weekends are from 10 AM to 2PM”

3: Withdraw

- The system should ask for amount of money to be withdrawn.
- If the callers account balance after deduction is less than 0, the caller should be informed that “No available funds to perform the transaction” and the transaction should be aborted; otherwise the system should proceed with the withdraw and show available funds after deduction.

4: Deposit

- The system should ask for amount of money to be deposit. Assume the amount in Integer.
- The system adds the amount to the caller’s account balance and displays the available funds after deposit.

Your program should use a **switch statement** to display the menu (4 different options). You should also have a variable of type Integer to store the callers account balance. You can assume the caller has (SAR 12000).

Sample Output 1	Sample Output 2
<p>**Welcome to the Phone Banking System** Please select one of the following options: 1: Inquiring about account type 2: Inquiring about bank's working hours 3: Withdraw 4: Deposit</p> <p>1 Please enter your account number: 123456 You have a Savings account</p>	<p>**Welcome to the Phone Banking System** Please select one of the following options: 1: Inquiring about account type 2: Inquiring about bank's working hours 3: Withdraw 4: Deposit</p> <p>2 Please select D for 'weekdays' or E for 'weekends' E Bank working hours during weekends are from 10 AM to 2PM</p>
Sample Output 3	Sample Output 4
<p>**Welcome to the Phone Banking System** Please select one of the following options: 1: Inquiring about account type 2: Inquiring about bank's working hours 3: Withdraw 4: Deposit</p> <p>3 Enter withdraw amount 2000 Available funds=10000</p>	<p>**Welcome to the Phone Banking System** Please select one of the following options: 1: Inquiring about account type 2: Inquiring about bank's working hours 3: Withdraw 4: Deposit</p> <p>4 Enter deposit amount 2000 Available funds=14000</p>