S.
No

```java
import java.util.*;
import lang.util.*;


class Bank {
    String name, abc;
    int accNo;
    char accType;
    double balance = 0;
    double deposit;
    double chequeAmount;


    Scanner in = new Scanner(System.in);


    void inputData() {
        System.out.println(" Enter your account type (Savings/Current): ");
        abc = in.nextLine();
        accType = abc.charAt(6);
    }


    void deposit() {
        System.out.println("Enter an amount to deposit: ");
        deposit = in.nextDouble();
        balance += deposit;
        System.out.println("Balance has been updated ");
    }


    void viewBalance() {
        System.out.println(" Balance = " + balance);
    }
}
```

```java
public static void main (String []args ) {
        Scanner s = new Scanner (System.in );
        int x;
        Bank a1 = new Bank ();
        a1.inputData ();


        if (a1.accType == 'c' || a1.accType == 'c') {
                Current a2 = new Current ();


                do {
                        System.out.println ("WELCOME To Your CURRENT Acc
                        System.out.println (" (1) Deposit ");
                        System.out.println ("(2) Check Balance ");
                        System.out.println ("(3) Issue cheque ");
                        System.out.println ("(4) Exit ");
                        System.out.println ("(5 Enter your choice ");


                        switch (x) {
                        case 1: a2.deposit ();
                        break;
                        case 2: a2.checkBalance ();
                        break;
                        case 3: a2.issueCheque ();
                        break;
                        case 4: System.exit(0);
                        default: System.out.println ("Invalid choice
                        }
                }
        }
        while (x <= 4 && x >= 1);
}
```

```java
else if ( a1. accType == 's' 11 a1. accType == 's' ) {
        Savings a3 = new Savings ();

    do {
        System.out.println(" WELCOME TO YOUR SAVINGS ACCOUNT ");
        System.out.println(" (1) Deposit ");
        System.out.println("(2) View Balance ");
        System.out.println("(3) Withdraw ");
        System.out.println("(4) Calculate Compound Interest ");
        System.out.println(" (5) Exit ");
        System.out.println(" Enter your choice");
        x = s.nextInt();

        switch(x) {
            case 1:  a3.deposit();
            break;
            case 2:  a3. viewBalance ();
            break;
            case 3:  a3. balanceAfterWithdrawal ();
            break;
            case 4:  a3. computeCI ();
            break;
            default: System.out.println(" Invalid choice ");
        }
    }
    while (x <= 5 && x >= 1);
}
else System.out.println(" Invalid Account Type ");
```

```java
class Current extends Bank {
    Current () {
        System.out.println (" Enter your name: ");
        name = in.nextLine();
        System.out.println ("uu");
    }

    System.out.println("Enter your account number ");
    accNo. = "in.nextInt();

    deposit();
    }

    void issueCheque () {
        System.out.println (" Enter the amount for which the cheque
                            to be issued ");
        chequeAmount = in.nextDouble();

        if (chequeAmount > balance) {
            System.out.println (" Insufficient amounts ");
        }
        else () {
            balance -= chequeAmount;
            System.out.println (" Cheque has been issued successfully
        }
    }

    void checkBalance () {
        if (balance < 1000) {
            System.out.println (" Current available balance is insuff
            balance -= 100;
        }
    }

    viewBalance ();
}
}
```

```java
class Savings extends Bank {
        double CI, withdrawalAmount, time;

        Savings () {
            System.out.println ("Enter your name: ");
            name = in.nextLine ();
            System.out.println (" Enter your account number");
            accNo = in.nextInt ();


            deposit ();
        }


    void computeCI () {
        System.out.println (" Enter time period: ");
        time = in.nextInt ();

        CI = balance * Math.pow (1 + (0.08/12), 12 * time) - balance ;
        System.out.println (" CI = " + CI);
        balance += CI;
        System.out.println (" CI has been deposited ");
    }


    void balanceAfterWithdrawal () {
        System.out.println (" Enter the amount you want to withdraw ");
        withdrawalAmount = in.nextDouble ();
        if (withdrawalAmount > balance) {
            System.out.println (" Entered amount is greater than balance ");
        }
        else {
            balance += withdrawalAmount;
            System.out.println (" Successfull ");
        }
    }
}
```