LAB PROGRAM - 5

INPUT:

```
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                                                                                                                       × Banktest java
                 String name;
String accno;
                 char acctype;
                 Scanner ss = new Scanner(System.in);
                       name = "";
accno = "";
                 void accept()
                       System.out.println("\n-----ENTER BASIC ACCOUNT DETAILS-----\n");
System.out.println("Enter the NAME of the account holder : ");
                       name = ss.next();
                       System.out.println("Enter the ACCOUNT NUMBER : ");
                       accting = ss.next();
System.out.println("Enter the ACCOUNT TYPE (S - Savings OR C - Current) : ");
acctype = ss.next().charAt(0);
                 double ci;
double deposit;
double withdraw;
                 double amt;
int ch;
                 double balance;
double diff = 0.0;
                 double time;
                 double r = 0.05;
Scanner ss = new Scanner(System.in);
                       System.out.println("Enter the account BALANCE : ");
balance = ss.nextDouble();
                             System.out.println("\n1. DEPOSIT MONEY");
System.out.println("2. WITHDRAW MONEY");
System.out.println("3. EXIT");
System.out.println("\nEnter your choice");
                             ch = ss.nextInt();
if (ch == s)
  depositamt();
else if(ch == 2)
  withdrawamt();
else if (ch == 3)
  break;
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                                    System.out.println("INVALID CHOICE!!");
                       }
while(ch != 3);
System.out.println("Enter the time (in years) for which interest has to be calculated :");
                       time = ss.nextDouble();
displaydet();
                 void depositamt()
                       System.out.println("Enter the amount of money you want to DESPOSIT :");
deposit = ss.nextDouble();
balance += deposit;
                 void withdrawamt()
                       System.out.println("Enter the amount of money you want to WITHDRAW :");
                       withdraw = ss.nextDouble();
balance -= withdraw;
                       amt = balance * Math.pow((1+r), time);
                        System.out.printf1("\n<-----\n");
System.out.printf("YOUR UPDATED BALANCE AFTER TRANSACTION : %.3f", amt);
```

```
double balance;
               double deposit;
double withdraw;
               double amt;
               int ch;
double min_bal = 1000;
               int penalty = 25;
Scanner ss = new Scanner(System.in);
                      System.out.println("Enter the account BALANCE : ");
                      balance = ss.nextDouble();
                            System.out.println("\n1. DEPOSIT MONEY");
System.out.println("2. WITHDRAW MONEY");
System.out.println("3. EXIT");
System.out.println("\nEnter your choice");
ch = ss.nextInt();
if (h = a)
                            if (ch == 1)
   depositamt();
else if(ch == 2)
   withdrawamt();
                           else if (ch ==3)
break;
                                 System.out.println("INVALID CHOICE!!");
                     }
while(ch != 3);
int();
               void depositamt()
                      System.out.println("Enter the amount of money you want to DESPOSIT :");
                      deposit = ss.nextDouble();
balance += deposit;
               void withdrawamt()
                     System.out.println("Enter the amount of money you want to WITHDRAW :");
withdraw = ss.nextDouble();
balance -= withdraw;
                      if (balance < min_bal)</pre>
                            System.out.println("YOUR BALANCE IS LESS THAN THE MINIMUM BALANCE REQUIRED");
System.out.println("So, a PENALTY of Rs."+penalty+"has been IMPOSED!!");
                            balance -= penalty;
                     }
System.out.println("\n<-----\n");
System.out.printf("YOUR UPDATED BALANCE AFTER TRANSACTION : %.3f\n", balance);
System.out.println("CHEQUE BOOK FACILITY HAS BEEN PROVIDED");
System.out.println("\n<------");
         class Banktest
                     if (a.acctype == 'S')
{
                            Sav_acct s = new Sav_acct();
s.acceptch();
                        lse if (a.acctype == 'C')
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                            c.acceptch();
                            System.out.println("Enter a VALID account type!");
         }
```

OUTPUT: (rate of interest assumed to be 5%)

```
Command Prompt
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_8>java Banktest
----ENTER BASIC ACCOUNT DETAILS----
Enter the NAME of the account holder :
Adarsh
Enter the ACCOUNT NUMBER :
SBI123
Enter the ACCOUNT TYPE (S - Savings OR C - Current) :
Enter the account BALANCE :
1000
1. DEPOSIT MONEY
2. WITHDRAW MONEY
3. EXIT
Enter your choice
Enter the amount of money you want to DESPOSIT :
200
1. DEPOSIT MONEY
2. WITHDRAW MONEY
3. EXIT
Enter your choice
Enter the amount of money you want to WITHDRAW :
100
1. DEPOSIT MONEY
2. WITHDRAW MONEY
3. EXIT
Command Prompt
Enter your choice
Enter the time (in years) for which interest has to be calculated :
YOUR UPDATED BALANCE AFTER TRANSACTION : 1155.000
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_8>
```