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57 Bank program -
import java.util.Scanner;
import java.lang.*;
class Account
{
    String name, type;
    int accno;
    double balance;
    void setDC()
    {
        Scanner s = new Scanner(System.in);
        S.O.P("Enter account name: ");
        name = s.next();
        S.O.P("Enter type of account: ");
        type = s.next();
        S.O.P("Enter accno: ");
        accno = s.nextInt();
        S.O.P("Enter bank balance: ");
        balance = s.nextDouble();
    }
    void display()
    {
        S.O.P(name + " " + type + " " + accno + " " + balance);
    }
    void deposit()
    {
        S.O.P("Enter amt to be deposited: ");
        Scanner s = new Scanner(System.in);
        double amt = s.nextDouble();
        balance += amt;
    }
}

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class Sav_acc extends Account
{
    double interest;
    void confInt()
    {
        int time_in_years;
        float int_rate_in_per;
        int n; Scanner s = new Scanner(System.in);
        S.O.P("Enter time in years: "); time_in_years = s.nextInt();
        S.O.P("Enter interest rate: "); int_rate_in_per = s.nextFloat();
        S.O.P("Enter no. of times interest is compounded per year: "); n = s.nextInt();
        interest = balance * (Math.pow(1 + int_rate_in_per/n, n * time_in_years));
        balance += interest;
    }
    void withdrawal()
    {
        S.O.P("Enter amt to be withdrawn: "); double amt = s.nextDouble();
        double amt = s.nextDouble();
        if (balance > amt) { balance -= amt; }
        else { S.O.P("Insufficient balance"); }
    }
}

class Cur_acc extends Account
{
    void min_balance()
    {
        if (balance < 1000)
        {
            S.O.P("Refill 1000 pronto");
            balance += 100;
        }
        else { S.O.P("No refill"); }
    }
}

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void withdraw()
{
    S.A.P ("Enter amt to be withdrawn");
    double amt = S.getdata();
    if (balanc > amt) { balanc = amt; }
    else { S.A.P ("Transf. failure"); }
}

class Bank
{
    P.Som (String str, T)
    {
        Scanner S = new Scanner(System.in);
        A[] op1, op2;
        Low_amt SL = new Low_amt();
        Low_amt CL = new Low_amt();
        while (true)
        {
            C.A.P ("Enter choice: 1 to 14 - list codes for actions (1 to 14)");
            1a. display in 1c, deposit in 1d, withdraw in 1e, withdraw in 1f, exit in 1g;
            op1 = S.next();
            switch (op1)
            {
                case "1a": SL.display();
                    break;
                case "1b": SL.display();
                    break;
                case "1c": SL.display();
                    break;
                case "1d": SL.withdraw();
                    break;
                case "1e": SL.withdraw();
                    break;
                case "1f": SL.withdraw();
                    break;
                case "1g": System.exit(0);
            }
        }
    }
}

```

Output:

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C:\Users\dhru2>cd C:\Users\dhru2\OneDrive\Desktop\1BM21CS057
C:\Users\dhru2\OneDrive\Desktop\1BM21CS057>javac Bank.java
C:\Users\dhru2\OneDrive\Desktop\1BM21CS057>java Bank
Enter the choice:
1a.Set the values for savings acc
1b. display
1c. deposit
1d. Interest
1e. Withdraw
1f. exit
1a
Enter customer name: dhruva
Enter type of account: saving
Enter account number: 34
Enter bank balance: 34000
Enter the choice:
2a.Set the values for current account
2b. display
2c. deposit
2d. transferCheck
2e. Withdraw
2f. exit
2a
Enter customer name: dhruva
Enter type of account: current
Enter account number: 333
Enter bank balance: 67000
Enter the choice:
1a.Set the values for savings acc
1b. display
1c. deposit
1d. Interest
1e. Withdraw
1f. exit
1b
Customer name is: dhruva
Customer account type is: saving
Customer account number is: 34
Current balance is: 34000.0
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Enter the choice:
2a.Set the values for current account
2b. display
2c. deposit
2d. transferCheck
2e. Withdraw
2f. exit
2b
Customer name is: dhruva
Customer account type is: current
Customer account number is: 333
Current balance is: 67000.0
Enter the choice:
1a.Set the values for savings acc
1b. display
1c. deposit
1d. Interest
1e. Withdraw
1f. exit
1c
Enter the amount to be deposited: 34000
Enter the choice:
2a.Set the values for current account
2b. display
2c. deposit
2d. transferCheck
2e. Withdraw
2f. exit
2c
Enter the amount to be deposited: 30000
Enter the choice:
1a.Set the values for savings acc
1b. display
1c. deposit
1d. Interest
1e. Withdraw
1f. exit
1d
Enter time in yrs:
2
Enter rate of interest:
10
Enter the number of times interest is compounded per year:
3
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Enter the choice:
2a.Set the values for current account
2b. display
2c. deposit
2d. transferCheck
2e. Withdraw
2f. exit
2b
Customer name is: dhruva
Customer account type is: current
Customer account number is: 333
Current balance is: 97000.0
Enter the choice:
1a.Set the values for savings acc
1b. display
1c. deposit
1d. Interest
1e. Withdraw
1f. exit
1b
Customer name is: dhruva
Customer account type is: saving
Customer account number is: 34
Current balance is: 4.5030512967112005E8
Enter the choice:
2a.Set the values for current account
2b. display
2c. deposit
2d. transferCheck
2e. Withdraw
2f. exit
2d
Enter the check amount: 45600
Rupees 45600.0 debited
Enter the choice:
1a.Set the values for savings acc
1b. display
1c. deposit
1d. Interest
1e. Withdraw
1f. exit
1b
Customer name is: dhruva
Customer account type is: saving
Customer account number is: 34
Current balance is: 4.5030512967112005E8
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Enter the choice:
2a.Set the values for current account
2b. display
2c. deposit
2d. transferCheck
2e. Withdraw
2f. exit
2b
Customer name is: dhruva
Customer account type is: current
Customer account number is: 333
Current balance is: 6400.0
```