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655 import java.util.*;
class Account {
    String acc-name;
    int acc-num;
    String cust-name;
    double balance;
    Scanner s = new Scanner(System.in);
    void accept() {
        System.out.println("Customer name:");
        cust-name = s.nextLine();
        System.out.println("Account number:");
        acc-num = s.nextInt();
        System.out.println("Balance amount:");
        balance = s.nextDouble();
    }
    void display() {
        System.out.println("Customer name: " +
            cust-name);
        System.out.println("Account number: " +
            acc-num);
        System.out.println("Balance amount: " +
            balance);
    }
    void deposit() {
        int amt;
        System.out.println("Enter the amount
            to be deposited:");
        amt = s.nextInt();
        balance = balance + amt;
    }
}

class Savings-acc extends Account {
    double inter;
    double comp-inter() {
        int time;
    }
}

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int rate = 10;
System.out.println("Enter the time:");
time = s.nextInt();
intex = balance * Math.pow(1 + (double) rate / 100, time);
return intex;
}

void update-balance() {
    balance = balance + comp - intex();
}

void withdrawal() {
    int amount;
    System.out.println("Enter the amount to be withdrawn:");
    amount = s.nextInt();
    if (balance >= amount)
    {
        balance = balance - amount;
    }
    else {
        System.out.println("The amount cannot be withdrawn as there is no sufficient balance");
    }
}
}

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class Current-acc extends Account {
    boolean check-book;
    int penalty = 50;
    double m-bale = 500;
    void min-bal()
    {
        if (balance <= m-bal) {
            balance = balance - penalty;
            System.out.println("Penalty is imposed as penalty is less than

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        500");
    }
    else {
        System.out.println("No penalty is imposed");
    }
}

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void withdrawal() {

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    int amt;

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    System.out.println("Enter the amount to be
    withdrawn:");

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    amt = s.nextInt();

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    if (balance - amt > min-bal) {

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        if (balance >= amt)

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        {
            balance = balance - amt;

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        }

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    }
    else {

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        System.out.println("The amount cannot
        be withdrawn as there is not enough
        amount");
    }
}

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}

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else {

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    System.out.println("The penalty will be " +
    "penalty + " if the balance after
    withdrawal is less than the minimum
    balance");

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    balance = balance - amt;

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    min-bal();
}

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public class Bank {

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    public static void main(String[] args)
    {

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        Scanner s = new Scanner(System.in);

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        Savings-acc s = new Savings-acc();
    }
}

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Current acc = new Current-acc();
System.out.println("Press 1 for savings and 2
for current account :");
int ch = sc.nextInt();
if (ch == 1) {
    S.acc-type = "Savings";
    S.accept();
    S.display();
    System.out.println("Type of account : " +
    S.acc-type);
    S.deposit();
    S.display();
    System.out.println("Type of account : " +
    S.acc-type);
    S.update-balance();
    S.display();
    System.out.println("Type of account : " +
    S.acc-type);
    S.withdrawal();
    S.display();
    System.out.println("Type of account : " +
    S.acc-type);
}
else if (ch == 2) {
    C.acc-type = "current";
    C.accept();
    C.display();
    System.out.println("Type of account : " +
    C.acc-type);
    C.deposit();
    C.display();
    System.out.println("Type of account : " +
    C.acc-type);
    C.withdrawal();
    C.display();
}

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System.out.println("Type of account :")  
G.acg-type); }  
else {  
    System.out.println("Please input a valid  
    number");
```

```
}  
}  
}
```