

```
import java.util.Scanner ;
public class bank {
public static void main(String args[]){
    Scanner sc=new Scanner(System.in);
    account a=new account();
    sav_acct s = new sav_acct();
    cur_acct c = new cur_acct();
    int acc_type=a.details();
    if(acc_type==1)
    {
        while(true)
        {
            System.out.println("Enter the choice 1.check balance 2.deposit 3.withdraw 4.addintrest 5.exit:");
            int ci =sc.nextInt();
            switch(ci)
            {
                case 1:
                {
                    s.display();
                    break;
                }
                case 2:
                {
                    s.add_bal();
                    break;
                }

                case 3:
                {
                    s.withdraw();
                    break;
                }
            }
        }
    }
}
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        case 4:
        {
            s.addintrest();
            break;
        }
        case 5:
        {
            System.exit(0);
        }
        default:
            System.out.println("invalid choice ");
    }
}
else if(acc_type==2)
{
    while(true)
    {
        System.out.println("Enter the choice 1.check balance 2.deposit 3.withdraw 4.exit:");
        int ci =sc.nextInt();
        switch(ci)
        {
            case 1:
            {
                c.display();
                break;
            }
            case 2:
            {
                c.add_balc();
            }
            case 3:
            {
                c.withdraw();
                break;
            }
            case 4:
            {
                System.exit(0);
            }
            default:
                System.out.println("invalid choice ");
        }
    }
}
else
    System.out.println("Invalid account");
}

```

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}
class account {
    Scanner sc=new Scanner(System.in);
    int details(){
        System.out.println("Enter the name :");
        String name=sc.next();
        System.out.println("Enter the account number:");
        int acc_no=sc.nextInt();

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        System.out.println("Enter the account type 1.savings 2.current:");
        int acc_type=sc.nextInt();
        return(acc_type);
    }

}

class sav_acct extends account {
    double add_bal, wd_amt;
    double balance =0.0;
    Scanner sc=new Scanner(System.in);
    double intrest;
    double curintrest;
    void add_balc(){
        System.out.println("Enter the amount:");
        add_bal =sc.nextInt();
        balance=balance+add_bal;
    }
    void display(){
        System.out.println("Balance amount =" +balance);
    }
    void withdraw(){
        System.out.println("Enter the amount to be withdrawn :");
        wd_amt=sc.nextInt();
        System.out.println("**** amount withdrawn ***");
        balance=balance-wd_amt;
        display();
    }
    void addintrest()
    {
        System.out.println("Enter the intrest (eg 0.04 for 4% ) :");
        intrest= sc.nextDouble();

        curintrest= balance*intrest;
        balance=balance+curintrest;

    }
}

class cur_acct extends account {
    double add_bal, wd_amt;
    double balance =0.0;
    Scanner sc=new Scanner(System.in);
    int min_balance=1000;
    void add_balc(){
        System.out.println("Enter the amount:");
        add_bal =sc.nextInt();
        balance=balance+add_bal;
    }
    void display(){
        System.out.println("Balance amount =" +balance);
    }
    void withdraw(){
        System.out.println("Enter the amount to be withdrawn :");
        wd_amt=sc.nextInt();
        System.out.println("**** amount withdrawn ***");
        balance=balance-wd_amt;
        if(balance<min_balance)
        {
            System.out.println("no minimum balance penalty to be payed=70");
            balance=balance-70;
        }
    }
}

```

```
Enter the name :
chinnu
Enter the account number:
1234
Enter the account type 1.savings 2.current:
1
Enter the choice 1.check balance 2.deposit 3.withdraw 4.addintrest 5.exit:
1
Balance amount =0.0
Enter the choice 1.check balance 2.deposit 3.withdraw 4.addintrest 5.exit:
2
Enter the amount:
5000
Enter the choice 1.check balance 2.deposit 3.withdraw 4.addintrest 5.exit:
3
Enter the amount to be withdrawn :
200
**** amount withdrawn ***
Balance amount =4800.0
Enter the choice 1.check balance 2.deposit 3.withdraw 4.addintrest 5.exit:
4
Enter the intrest (eg 0.04 for 4%) :
0.04
Enter the choice 1.check balance 2.deposit 3.withdraw 4.addintrest 5.exit:
3
Enter the amount to be withdrawn :
5
**** amount withdrawn ***
Balance amount =4987.0
Enter the choice 1.check balance 2.deposit 3.withdraw 4.addintrest 5.exit:
5
```

```
● PS C:\Users\chinn> & 'C:\Program Files\Java\jdk-25\bin\java.exe' '--enable-preview'
n\AppData\Local\Temp\vscodews_c59be\jdt_ws\jdt.ls-java-project\bin' 'bank'
Enter the name :
manasa
Enter the account number:
1256
Enter the account type 1.savings 2.current:
2
Enter the choice 1.check balance 2.deposit 3.withdraw 4.exit:
2
Enter the amount:
2000
Enter the choice 1.check balance 2.deposit 3.withdraw 4.exit:
1
Balance amount =2000.0
Enter the choice 1.check balance 2.deposit 3.withdraw 4.exit:
3
Enter the amount to be withdrawn :
600
**** amount withdrawn ***
Balance amount =1400.0
Enter the choice 1.check balance 2.deposit 3.withdraw 4.exit:
4
○ PS C:\Users\chinn> █
```