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PAGE NO.  
DATE

Develop a Java program to develop a class Bank with current account and saving account.

```
import java.util.*;
class Account {
    String name;
    int accno;
    String type;
    double balance;
    Account(String name, int accno, String type,
            double balance)
    {
        this.name = name;
        this.accno = accno;
        this.type = type;
        this.balance = balance;
    }

    void deposit(double amount) {
        balance += amount;
    }

    void withdraw(double amount) {
        if ((balance - amount) > 0) {
            balance -= amount;
        }
        else {
            System.out.println("No sufficient balance");
        }
    }

    void display() {
        System.out.println("name: " + name + " accno: " + accno +
            " type: " + type + " balance: " + balance);
    }
}
```

```
class SavAcct extends account {  
    private static double rate = 5;  
    SavAcct(String name, int accno, double balance) {  
        super(name, accno, "savings", balance);  
    }  
    void interest() {  
        balance += balance * (rate) / 100;  
        System.out.println("balance" + balance);  
    }  
}
```

```
class CurAcct extends  
{  
    private double minBal = 1000;  
    private double serviceCharges = 150;  
    CurAcct(String name, int accno, double balance) {  
        super(name, accno, "current", balance);  
    }  
    void checkMin() {  
        if (balance < minBal)  
        {  
            System.out.println("Balance is low service charges  
are added: " + serviceCharges);  
            balance += serviceCharges;  
            System.out.println("balance: " + balance);  
        }  
    }  
}
```

```
public class accountMain {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("enter the name:");  
        String name = sc.next();  
        System.out.println("enter the type of account:");  
    }  
}
```



```
int accno;  
string type = sc.next();  
System.out.println("enter account number :");  
int accno = sc.nextInt();  
System.out.println("enter the initial balance :");  
double balance = sc.nextDouble();  
int ch;  
double amount1, amount2;  
Account acc = new Account(name, accno, type, balance);  
SavAcct sa = new SavAcct(name, accno, balance);  
CurAcct ca = new CurAcct(name, accno, balance);  
while (true)  
{  
    if (acc.type.equals("savings"))  
    {  
        System.out.println("1. Menu\n1. Deposit\n2. Withdraw\n3. Interest\n4. Display");  
        ch = sc.nextInt();  
        switch (ch)  
        {  
            case 1: System.out.println("enter amount :");  
                amount1 = sc.nextInt();  
                sa.deposit(amount1);  
                break;  
            case 2: System.out.println("enter amount :");  
                amount2 = sc.nextInt();  
                sa.withdraw(amount2);  
                break;  
            case 3: sa.interest();  
                break;  
            case 4: sa.display();  
                break;  
            case 5: System.exit(0);  
            default: System.out.println("invalid input");  
                break;  
        }  
    }  
}
```

```

    }
}
else
{

```

```

    system.out.println("In Menu 1n 1. Deposit 1n 2. withdraw 1n 3. Display 1n");

```

```

    system.out.println("enter the choice:");

```

```

    ch = sc.nextInt();

```

```

    switch(ch)
    {

```

```

        case 1: system.out.println("enter the amount:");

```

```

        amount 1 = sc.nextInt();

```

```

        ca.deposit(amount1);

```

```

        break;

```

```

        case 2: system.out.println("enter the amount:");

```

```

        amount 2 = sc.nextInt();

```

```

        ca.withdraw(amount 2);

```

```

        ca.checkMin(amount 2);

```

```

        break;

```

```

        case 3: ca.display();

```

```

        break;

```

```

        case 4: system.exit(0);

```

```

        default: system.out.println("invalid input");

```

```

        break;
    }
}
}

```

Output :-

enter the name :

s

enter the type of account :



current

enter account number :

1

enter the initial balance :

1000

Menu

1. Deposit

2. Withdraw

3. Display

enter the choice :

1

enter the amount :

500

Menu

1. Deposit

2. Withdraw

3. Display

enter the choice :

3

name : S accno : 1 type : current balance : 1500.00

Menu

1. Deposit

2. Withdraw

3. Display

enter the choice : 2

enter the amount :

1500

Menu

1. Deposit

2. Withdraw

3. Display

enter the choice :

3

name: S accno: 1 type: current balance: 0.0

Menu

1. Deposit

2. Withdraw

3. Display

enter the choice:

2

enter the amount:

100

Balance is low service charges are added: 150.0

Balance: -150.0

No sufficient balance to withdraw.

enter the name:

S

enter the type of account:

saving

enter account number:

1

enter the initial balance:

1000

Menu

1. Deposit

2. Withdraw

3. Display

enter the choice:

1

enter the amount:

500

Menu

1. Deposit

2. Withdraw

3. Display

enter the choice: 2



enter the amount: 500

Menu

1. Deposit
2. Withdraw
3. Display

enter the choice: 3

name: s accno: 1 type: saving balance: 1000.0

Done by Shachank C IBM22CS2524 .

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