

09/01/24

classmate

Date
Page

```
import java.util.Scanner;  
class BankAccount;
```

```
{
```

```
String accountName;
```

```
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 ("Insufficient balance,  
can't withdraw");
```

```
}
```

```
}
```

```
void display ()
```

```

S
    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 CurvAcct extends Account

{

```

private double minBal = 500;
}

```

```

private double serviceCharge = 5.0;
}

```

```

CurvAcct (String name, int accno, double balance)
{

```

```

    super(name, accno, "current", balance);
}
}

```

void checkMin()

{

```

    if (balance < minBal)
}
}

```

```

    system.out.println ("balance is less than
        minBalance service charges imposed: " + service
            - charge)
}
}

```

balance = service charges;

System.out.println("Balance is : " + balance);

}

}

class Account Main

{

public static void main (String args)

{

Scanner s = new Scanner (System.in);

System.out.println ("Enter the name : ");

String name = s.next();

System.out.println ("Enter the type (current
Savings) : ");

String type = s.next();

System.out.println ("Enter the account number.");

int accno = s.nextInt();

System.out.println ("Enter the initial balance.");

double balance = s.nextDouble();

int ch;

double amount; amount = 0;

Account acc = new Account (name, accno, type, balance);

BankAcc ta = new BankAcc (name, accno, balance);

CurrentAcc ca = new CurrentAcc (name, accno, balance);

while (true)

{

if (acc.type.equals ("Savings"))

{

System.out.println ("1. withdraw 2. deposit");

2. withdraw 3. compute interest 4. display");

System.out.println ("Enter the choice");

ch = s.nextInt();

switch (ch)

{

case 1:

case 2:

case 3:

case 4:

case 5:

case 6:

case 7:

case 8:

case 9:

case 10:

```

case 1: System.out.println ("Enter the amount:");
amount1 = s.nextInt();
ca.deposit(amount1);
break;

case 2: System.out.println ("Enter the amount");
amount2 = s.nextInt();
ca.withdraw(amount2);
break;

case 3: ca.Interest();
break;

case 4: ca.display();
break;

case 5: System.exit(0);

default: System.out.println ("Invalid Input");
break;
}

else
{
    System.out.println ("Incorrect choice");
    System.out.println ("Enter the choice");
    ch = s.nextInt();
    switch(ch)
    {
        case 1: System.out.println ("Enter the amount:");
        amount1 = s.nextInt();
        ca.deposit(amount1);
        break;

        case 2: System.out.println ("Enter the amount");
        amount2 = s.nextInt();
        ca.withdraw(amount2);
        ca.checking();
        break;
    }
}
}

```

case 3 : cout << display();
break;
case 4 : system.exit(0);
default : system.out.println("Invalid input");
break;
}
}
}
}

Output

enter the name : Rushilay
enter the type (current/savings) :
current

enter the account number :

1234

enter the initial balance :

4555

Menu

3.

name : Rushilay

accno. 1234

type. current balance : 4578.0

menu

1. deposit 2. withdraw 3. display

enter the choice :

1

enter the amount :

3456

menu
1. deposit
2. withdraw
3. enter
4. exit

menu
3. display
1. withdraw
2. deposit
3. enter
4. exit

menu

1. deposit 2. withdraw 3. display

enter the choice

2

enter the amount :

345

menu

3. display

1. deposit 2. withdraw 3. display

enter the choice :

3

name : Rushila . V

accno : 1234

type : current

balance : 7666

Open
On 01.01.2019