

09/01/24

URBAN  
EDGE

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

{

```
String name;
```

```
int acno;
```

```
String type;
```

```
double balance;
```

```
account(String name, int acno, String type, double  
balance)
```

{

```
this.name = name;
```

```
this.acno = acno;
```

```
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()
```

```
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 currAcct extends Account
```

```
private double minBal = 500;
```

```
private double serviceCharges = 50;
```

```
currAcct(String name, int accno, double balance)
```

```
    super(name, accno, "Current", balance);
```

```
    void checkmin()  
{
```

```
        if (balance < minBal)
```

```
            System.out.println("balance is less  
than min. balance, service charges -
```

imposed: "+ serviceCharge),  
balance = serviceCharge;  
System.out.println("balance: "+ balance);

1. class accountMain

2. { public static void main(String a[])

Scanner s = new Scanner(System.in);

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

String name = s.nextLine();

System.out.println("enter acc type (current/saving)");

String type = s.nextLine();

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 amount1, amount2;

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

savAcct sav = new savAcct(fname, accno, balance);

currAcct cur = new currAcct lname, accno, balance);

while (true)

{

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

System.out.println("1.Menu\n2.deposit\n3.withdraw\n4.compute interest\n5.display");

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

ch = s.nextInt();

switch(ch)

case 1: System.out.println("enter amount");  
amount = s.nextInt();  
sa.deposit(amount);  
break;

case 2: System.out.println("enter amount");  
amount = s.nextInt();  
sa.withdraw(amount);  
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("1.menu\n1.deposit 2.withdraw

3.di,pay")

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

ch = s.nextInt();

switch(ch)

case 1: System.out.println("enter amount");  
amount = s.nextInt();

sa.deposit(amount);

break;

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

amount = > amount();

ca.withdraw(amount2);

ca.checkmin();

break;

case 3: ca.display();

break

case 4: System.out.println();

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

break;

output:

enter the name:

gauri

enter the type (current / savings)

current

enter account number:

1234

enter initial balance:

4555

Menu

1. deposit    2 withdraw    3. display

enter the choice:

1

enter the amount:

23

Menu  
1. deposit    2. withdraw    3. display  
enter the choice  
2

enter the amount:  
34545

insufficient balance, can't withdraw  
Menu

1. deposit    2. withdraw    3. display  
enter the choice:

3

Name: Rani accno: 1234 type: current balance: 4578.0

09/01/24