

Lab - 5

```
import java.util.Scanner;
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 withdrawal (double amount)
    {
        if ((balance - amount) >= 0)
        {
            balance -= amount;
        }
    }
}
```

else

{

System.out.println("insufficient balance,
Cont Withdrawal");

}

}

void display ()

{

System.out.println("name:" + name +
acno : " + acno + " type : " + type + " balance : "
+ balance);

}

class SavAcct extends account

{

private static double rate = 5;

SavAcct (String name, int acno, double balance)

{

super (name, acno, "Savings", balance);

}

void interest ()

{

balance += balance * (rate) / 100;

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

}

{

Class CurAcct extends account

{

Private double minBal = 500;

Private double ServiceCharges = 50;

CurAcct (String name, int acno,
double balance)

{

Superior(name, acno, "Current",
balance);

}

- void checkIn)

{

if (balance < minBal)

{

System.out.println("balance is
less than min balance, Service charges
imposed : " + ServiceCharges);
balance = ServiceCharges;

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

}

}

}

class accountMain

```
{  
    public static void main (String a[])
```

```
{  
    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 initial balance");
```

```
    double balance = s.nextDouble();
```

```
    int ch;
```

```
    double amount 1, amount 2;
```

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

```
    Sav Acct Sa = new Sav Acct (name,  
                                accno, balance);
```

```
    Cur Acct Ca = new Cur Acct (name, accno,  
                                balance);
```

```
    while (true)
```

class accountMain

{

public static void main (String a[])

{

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 initial balance");

double balance = s.nextDouble();

int ch;

double amount1, amount2;

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

~~Sav Acct Sa = new Sav Acct (name,
accno, balance);~~

Cur Acct Ca = new Cur Acct (name, accno,
balance);

while (true)


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

```
{  
    System.out.println("In menu 1. 2  
    deposit 2. Withdraw 3. Calculate interest  
    4. display");
```

```
    System.out.println("Enter choice:");  
    ch = s.nextInt();
```

```
    switch (ch)
```

```
{  
    case 1: System.out.println("Enter the  
        amount:");
```

```
        amount1 = s.nextInt();  
        sa.deposit(amount1);
```

```
        break;
```

```
    case 2: System.out.println("Enter the  
        amount:");
```

```
        amount2 = s.nextInt();
```

```
        sa.withdraw(amount2);
```

```
        break;
```

```
    case 3: sa.intrest();
```

```
        break;
```

```
    case 4: sa.display();  
        break;
```

```

Case 5 : System.out.println("invalid input");
        break;
    }
}
else

```

```

{
    System.out.println("\n menu \n 1.
    deposit 2. withdraw 3. display");
    System.out.println("Enter choice");
    ch = S.nextInt();
    switch (ch)

```

```

{
    Case 1 : System.out.println("enter amount");
    amount1 = S.nextInt();
    ca.deposit(amount1);
    break;

```

```

Case 2 : System.out.println("enter amount");
    amount2 = S.nextInt();
    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:

mounshini

Enter the type (Current/Savings)

Current

Enter initial balance

4500

Menu

- 1) deposit
- 2) withdrawal
- 3) display

Enter the choice

1

Enter amount

23000

Menu

1. deposit

2. withdraw

3. display

3

name: Mousseline

Acc no: 1234

type: Current

balance: 27500

~~Signature~~
~~09.01.21~~

```
import java.util.Scanner;
```

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

```

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

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 amount1, amount2;

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

    while (true) {
        if (acc.type.equals("savings")) {
            System.out.println("\nMenu\n1.Deposit 2.Withdraw 3.Display 4.Exit");
            System.out.println("Enter the choice:");
            ch = s.nextInt();

            switch (ch) {

```

```
while (true) {  
    if (acc.type.equals("savings")) {  
        System.out.println("\nMenu\n1.Deposit 2.Withdraw 3.Display 4.Exit");  
        System.out.println("Enter the choice:");  
        ch = s.nextInt();  
  
        switch (ch) {  
            case 1:  
                System.out.println("Enter the amount:");  
                amount1 = s.nextDouble();  
                acc.deposit(amount1);  
                break;  
            case 2:  
                System.out.println("Enter the amount:");  
                amount2 = s.nextDouble();  
                acc.withdraw(amount2);  
                break;  
            case 3:  
                acc.display();  
                break;  
            case 4:  
                System.exit(0);  
            default:  
                System.out.println("Invalid input");  
                break;  
        }  
    } else {  
        System.out.println("\nMenu\n1.Deposit 2.Withdraw 3.Display 4.Exit");  
        System.out.println("Enter the choice:");
```



```
System.out.println("Menu 1.Deposit 2.Withdraw 3.Display 4.Exit ");
System.out.println("Enter the choice:");
ch = s.nextInt();

switch (ch) {
    case 1:
        System.out.println("Enter the amount:");
        amount1 = s.nextDouble();
        acc.deposit(amount1);
        break;
    case 2:
        System.out.println("Enter the amount:");
        amount2 = s.nextDouble();
        acc.withdraw(amount2);
        break;
    case 3:
        acc.display();
        break;
    case 4:
        System.exit(0);
    default:
        System.out.println("Invalid input");
        break;
}
}
}
}
```


Enter the name:
mrunalini
Enter the type (current/savings):
savings
Enter the account number:
228
Enter the initial balance:
2500

Menu
1.Deposit 2.Withdraw 3.Display 4.Exit
Enter the choice:
1
Enter the amount:
2500

Menu
1.Deposit 2.Withdraw 3.Display 4.Exit
Enter the choice:
2
Enter the amount:
1000

Menu
1.Deposit 2.Withdraw 3.Display 4.Exit
Enter the choice:
3
name:mrunalini accno:228 type:savings balance:4000.0

Menu
1.Deposit 2.Withdraw 3.Display 4.Exit
Enter the choice:
4