

Lab 5

```
import java.util.Scanner;

abstract class Account {
    String cName, accType;
    long accNo;
    double bal;
    final double minbal = 1000.0;

    Account (String cName, long accNo,
             double bal, String accType)
    {
        this.accNo = accNo;
        this.cName = cName;
        this.bal = bal;
        this.acctype = accType;
    }

    abstract void addBal(double amt);
    abstract void dispBal();
    abstract void withBal(double amt);
}

class Curr_acct extends Account
{
    Curr_acct (String cName, long accNo,
               double bal) {
        super(cName, accNo, bal, "Current");
    }
}
```

```
System.out.println ("Name: " + cname + "\t accNo"
    + accNo + "\t bal " + bal + "\t type" + acctype);
}
```

```
void addBal (Double amt) {
    this.bal += amt;
}
```

```
void dispBal () {
    System.out.println ("Balance: " + this.bal);
}
```

```
void withBal (double amt) {
    if (this.bal == 0 || amt > this.bal)
    {
        System.out.println ("with drawal not possible");
    }
```

else

```
{
    this.bal -= amt;
    checkBal ();
}
```

```
void checkBal () {
    if (this.bal < minBal) {
        this.bal = this.bal * 0.02;
    }
}
```

```

class Sav-acct extends Account {
    Sav-acct (String cName, long accNo,
              double bal) {
        Super (cName, accNo, bal, "Savings");
        System.out.println ("name: " + cName + the
                             " | accNo: " + accNo + the bal " | : + bal
                             + " | type: " + accType);
    }

```

```

    void addBal (double amt) {
        this.bal += += amt;
    }
    void addIntr () {
        this.bal += += this.bal * 0.07;
    }

```

```

    void dispBal () {
        System.out.println ("Balance: " + this.bal);
    }

```

```

    void withBal (double amt) {
        if (this.bal <= 0 || amt > this.bal)
        {
            System.out.println ("with drawal
            not possible");
        }
        this.bal -= amt;
    }
}

```


Class Lab 5 {

public static void main (String [] args) {
Scanner sc = new Scanner (System.in);

Double amt;

int flag = 0;

while (flag == 0) {

System.out.println ("1: Current Ac. \n

2: Savings Ac. \n Default: exit);

int ch = sc.nextInt();

String nam;

long acno;

double balan;

Switch (ch) {

Case 1: System.out.println ("Enter name,
acno, balance");

nam = sc.next();

acno = sc.nextLong();

balan = sc.nextDouble();

Curr_acct C = new Curracct (nam;
acno, balan);

System.out.println ("Current
acct \n");

int flag = 0;

```

while (flag 1 == 0) {
    System.out.println (" 1: Add amt 10 2
    2: Display 3: Withdrawal 10 default exit);
    int ch1 = sc.nextInt();
    switch (ch1) {
        case 1: System.out.println ("Enter amount");
                amt = sc.nextDouble();
                C.addBal (amt);
                break;
        case 2: C.disBal ();
                break;
        case 3: System.out.println ("Enter amount");
                amt = sc.nextDouble();
                C.withBal (amt);
                break;
        default: flag1 = 1;
    }
}
break;

```

```

Case 2: System.out.println ("|n savings-Ac");
System.out.println ("Enter name,
Ac.no, balance");
nam = sc.next();
acno = sc.nextLong();
balan = sc.nextDouble();

```

```

Sav - acct s = new Sav - acct (nam, acno, balan);
int flag2 = 0;
while (flag2 == 0) {
    System.out.println ("1 : Add Bal In 2 : Display In  
3 : Withdraw Bal In default : exit");
    int ch2 = sc.nextInt();
    switch (ch2) {
        case 1 : System.out.println ("Enter amount");
                amt = sc.nextDouble();
                s.add Bal (amt);
                break;
        case 2 : s.disp Bal ();
                break;
        case 3 : System.out.println ("Enter amount");
                amt = sc.nextDouble();
                s.with Bal (amt);
                break;
        default : flag2 = 1;
    }
}
break;
default : flag = 1;
}
}
}
}

```