

LAB PROGRAM 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 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 checkmain()

if (balance < minBal)

```
System.out.println ("balance is " +  
min balance : service charges imposed : " +  
servicecharges );  
balance -= servicecharges ;  
System.out.println ("balance is :" + balance);  
}
```

3

```
class accountMain
```

{

```
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: ");
```

```
String type = s.next();
```

```
System.out.println ("Enter the acc no: ");
```

```
int acno = s.nextInt();
```

```
System.out.println ("Enter initial balance: ");
```

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

```
int ch;
```

```
double amt1, amt2;
```

```
Account acc = new account (name, acno,  
type, balance)
```

⑧ SavAcct sa = new SavAcc (name, acno,
balance);

CurrAcct ca = new currAcct (name, acno,
balance);

while (true)

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

{

System.out.println ("\nMention\n 1. deposit

2. withdraw 3. Compute Interest 4. display")

System.out.println ("Enter your choice :");

ch = s.nextInt();

switch (ch)

{

Case 1: System.out.println ("Enter amount :");

amt1 = s.nextInt();

sa.deposit (amt1);

break;

Case 2: system.out.println ("Enter amount :")

amt2 = s.nextInt();

sa.withdraw (amt2);

break;

case 3: sa.interest ();

break;

case 4: sa.display ();

break;

case 5: System.exit (0);

default: System.out.println ("\ninvalid
input");

y
y

else

{

System.out.println ("\nMenu\n 1. deposit

2. withdraw 3. display");

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

ch = s.nextInt();

```
switch(h)
```

```
{
```

```
    case 1: System.out.println("Enter amount");
              amt1 = s.nextInt();
              ca.deposit(amt1);
              break;
```

```
    case 2: System.out.println("Enter amount");
              amt2 = s.nextInt();
              ca.withdraw(amt2);
              break ca.checkMin();
              break;
```

```
    case 3: ca.display();
              break;
```

```
    case 4: System.exit(0);
```

```
    default: System.out.println("\n Invalid  
Input");
```

```
        break;
```

```
}
```

```
}
```

```
,
```

```
]
```

```
]
```

Output:

Enter the name:

John

Enter the type:

current

Enter the accno :

1

Enter the initial balance
1000

Menu

1. deposit
2. withdraw
3. display

~~2. withdraw~~

~~3. dis~~

Enter choice :

2

Enter amount :

600

Menu

1. deposit
2. withdraw
3. display

Enter my choice

3

name : john , accno = 1 type : current
balance 4000

Menu

1. deposit
2. withdraw
3. display

Entered the choice :

4.